

OVERSEAS NEWS

Curfew and geiger counters in Middletown

THESE DAYS there is a 9 p.m. to 7 a.m. curfew in Middletown, Pennsylvania, only a few thousand yards from the stricken nuclear reactor that spews out plumes of radioactive gas and vapour.

Several thousand have left the area to stay with friends or to visit relatives elsewhere in the area.

David Buchan reports from the scene of America's worst nuclear accident

In Middletown, have heard Nuclear Regulatory Commission officials estimate that the accident has increased local residents' chances of cancer, though only by one or two cases for every 10,000 of them exposed to 1,000 millirems of radiation.

Peking decree silences wallposter dissidents

BY JOHN HOFFMANN IN PEKING

THE PEKING leadership has effectively silenced the voice of dissidence and democracy in the city, both by decree and by swiftly erasing the wallposters which were their visible evidence.

their only canvas for free expression. The Communist Party leadership had made it clear that expression is not to be as free as in the past few months.

Laneways, walls in Peking's main shopping streets and construction-site fences were conspicuously unadorned yesterday following a city-wide clean-up.

An announcement printed on the front page of the local newspaper Peking Daily yesterday called on the public to help police enforce the rules and

warned that violators faced physical labour, education and discipline.

The measures, which the paper said had been adopted two days ago by the Peking Revolutionary Committee (city council), followed similar steps by Shanghai authorities earlier this month.

THE ARAB LEAGUE BOYCOTT

Egypt in political isolation

BY OUR CAIRO CORRESPONDENT

POLITICAL isolation, including the removal of the Arab League headquarters to Tunis, is likely to last longer than the economic sanctions passed by the Arab League in Baghdad.

Tunisian ambassador unexpectedly left for home. More problematic is the fate of \$2,000m of Central Bank Deposits held by Kuwait and Saudi Arabia in Egypt.

They were happy that Saudi Arabia's agreement to the boycott could provide a potential link with the U.S. and that this show of Arab support reduced Syria's political dependence on the Soviet Union.

Mr. Begin will not address the People's Assembly as originally hoped.

Anthony McDermott and Michael Tinagay add from Damascus: Syrian Government officials yesterday welcomed the Arab League resolutions but

Iran votes for Islam republic

TEHRAN—Ayatollah Ruhollah Khomeini announced yesterday that Iranians had voted "unanimously" for the transformation of the nation into an Islamic republic according to the state radio. AP reports from Tehran.

Namibia talks start

Mr. P. W. Botha, the South African Prime Minister, and Mr. R. F. Pik Botha, the Foreign Minister, will hold talks today with the South Africa-sponsored constituent assembly in Namibia to decide whether or not finally to abandon the western efforts for an internationally-acceptable settlement in the territory.

Bhutto 'resigned'

Mr. Zulfikar Ali Bhutto, the former Pakistan Prime Minister, was yesterday reported resigned to his fate on the gallows—despite pleas for mercy from a former Ministerial colleague.

Chirac re-elected as Gaullist party president

BY ROBERT MAUTHNER IN PARIS

M. JACQUES CHIRAC was re-elected President of the Gaullist RPR Party on Saturday at an emotion-charged national conference during which he strongly attacked both the Government's economic policies and the Common Market.

Referring to the French Government's industrial restructuring schemes, particularly the reorganisation of the steel industry, M. Chirac said that the authorities had acted much too brutally.

Mr. Chirac was particularly scathing about the way the European Community is currently functioning.

The European institution had proved to be impossible both in dealing with internal community problems and with threats from outside.

U.S. airline stops flights

By Stewart Fleming in New York

WIDESPREAD disruption is threatened to travellers across the United States as a result of a decision by United Airlines to cancel all flights until April 9.

The 30 per cent increase, well above the Carter Administration's anti-inflation guidelines, is allowed because of an earlier settlement in the airline industry, before the wage guideline policy came into effect.

THE UNITED STATES DEBENTURE CORPORATION LIMITED

Year Ended 31st January, 1979. Extracts from the Directors' Report.

Table with 3 columns: Main Features, 1979, 1978. Rows include Gross Revenue, Earnings - Basic, Earnings - Fully diluted, Dividend, Net Assets, and Ordinary 25p Stock Unit.

Dividend and Revenue Your Board are pleased to recommend that the total net dividend per stock unit for the year be raised 15.1 per cent to 4.05p.

During the year, the total net assets of your Company advanced by 13.7 per cent to £88,308,219. The underlying performances of our two principal areas of investment, namely the United Kingdom and North America, are detailed below.

The value of the United Kingdom portfolio grew by 8.2 per cent, compared with the 3.6 per cent increase in the Financial Times All Share Index for the same period.

The North American portfolio advanced by 24.5 per cent. This compared with a 23.9 per cent increase in the Standard & Poor's Composite Index and a 35.1 per cent increase in the Toronto Composite Index.

The 1978 Finance Act introduced legislation lowering the tax on Capital Gains within Investment Trusts from 17 per cent to 10 per cent, retrospective to April, 1977.

Policy Both within and outside the investment Trust movement there has been much discussion on the specific rules that investment trusts have to play.

The Annual General Meeting will be held on 16th May, 1979 in London.

Notice of Redemption SOCIETES DE DEVELOPEMENT REGIONAL "SDR"

1975-1987 EUA 25,000,000

Holders in the above mentioned issue are hereby informed that on May 5th, 1979 an early redemption covering a principal amount of EUA 25,000,000 will be effected.

The principal amount of bonds outstanding after the amortisation of 5th May, 1979 will be EUA 20,474,000.

Table with 3 columns: Bond Number, Inclusive, Inclusive. Lists various bond numbers and their corresponding inclusive values.

BANQUE INTERNATIONALE A LUXEMBOURG Societes Anonymes Fiscal Agent

Arabic African International Bank IS PLEASED TO ANNOUNCE THE OPENING OF ITS REPRESENTATIVE OFFICE IN THE UNITED STATES AT 645 FIFTH AVENUE, NEW YORK, N.Y. 10022 Telephone: (212) 755-4810

مكتبة التوفيق

Nigeria sets tight budget line

By Car Legos Correspondent

NIGERIA'S MILITARY government has prepared a Naira 9.5bn (£7,480m) budget for the financial year which started yesterday.

The National Petroleum Corporation jumped to the top of the line of beneficiaries from capital expenditure allocations.

It takes Naira 1bn from the total of Naira 6.6bn, a figure which was slashed from Ministry and government agency requests for Naira 13bn.

The anti-inflationary packet includes an extension of the two-year-old wage freeze for all but the lower income group, an end to car loans and basic allowances, and a ban on football pools and casinos.

Mr. Nasser Kaddour, deputy Foreign Minister, confirmed that Syria was considering withdrawing its 26,000 peace-keeping troops from the Golan.

Uganda rebels 'set to take Kampala despite reversals'

BY MARK WEBSTER IN NAIROBI

UGANDAN EXILE forces said yesterday that they were still in a position to take the capital Kampala, despite confirmed reports that they had been driven back to about 20 miles from the city.

Diplomats in Kampala said Libyan soldiers supporting President Amin had apparently spearheaded the assault on the city.

Residents in the capital said shelling could again be heard to the south of the city after two quiet nights.

The Uganda National Liberation Forces (UNLF) denial of the defeat is being treated with scepticism in Nairobi, because the once heavy shelling of Kampala stopped at about the same time as the Ugandan Government claimed its victory.

Travel fast asleep to Paris Night Ferry Sleeper Services. The Night Ferry Sleeper Service leaves London Victoria every night at 2125 hrs and arrives in PARIS before 0900 hrs next morning.

PICA PRIVATE INVESTMENT COMPANY FOR ASIA (PICA) S.A. US\$20,000,000 NEGOTIABLE FLOATING RATE NOTES DUE 8TH FEBRUARY, 1986. In accordance with the provisions of the Notes, notice is hereby given that PICA's half-yearly Financial Report has just been published and is available upon request by holders of the above Notes.

They're Off in the Electoral Stakes The party returning the greater number of seats to Parliament 1-4 Conservative Labour 3-1 To win and have an Overall Majority 2-5 Conservative Labour 8-1 To win and have no Overall Majority 7-2 Conservative Labour 4-1

FINANCIAL TIMES, published daily except Sundays and holidays. U.S. subscription rates \$38.00 per annum.

Report may suggest further rises for top public servants

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

EXTRA SALARY increases of between 5 and 10 per cent may be recommended for nationalised industry chairmen and other top public servants—who yesterday received rises ranging up to about 25 per cent.

The recommendation will be contained in one of three reports from official pay review bodies covering top salaries, the armed forces, and doctors and dentists. Its objective will be to bring pay rises which were assessed last April into line with subsequent increases in inflation and in the pay of comparable occupations in the private sector.

The recommendations will be especially embarrassing for the Government following the industrial unrest among civil servants covered by general pay negotiations.

It is likely that the review bodies for the armed forces and the doctors and dentists will be sent to the Prime Minister before the General Election. But the top salaries report may not arrive until later in May.

Yesterday's rises were paid to the chairmen and board members of nationalised industries and other top public servants in the Civil Service, armed forces and the judiciary following last year's report of the Boyle-review body.

Wool chiefs seek supremo

Financial Times Reporter

A SUPREMO is to be appointed for the Yorkshire-based wool textile industry.

The post, which is being advertised at a salary of not less than £15,000 a year, is part of a re-organisation which the industry hopes will help boost it in changing trading conditions.

The new supremo, who will have the title of director-general, will be responsible for advising on policy and implementing the decisions of a policy board which is to be set up. He will manage the industry, particularly in its dealings with the Government, and Common Market officials.

The changes, expected to be put into effect later this year, are a move to unify the industry's trade associations by merging them into a new federation or employers' organisation which will represent the interests of over 600 member companies.

It is felt that the restructuring will give the industry more powerful body in its efforts to prevent further erosion of trade and create a climate for expansion.

Mr. Derek Bradbury, a leading member of the industry said in Bradford: "Our object is to strengthen the organisation of the industry in line with changing economic and commercial conditions."

NEWS ANALYSIS • ROY HODSON REPORTS ON NATIONAL INDUSTRIES AT LOGGERHEADS

Problems still facing British Steel

IRON AND STEEL deliveries in Britain have still not returned to normal. The lingering effects of severe winter and the road and rail strikes will be felt in the industry for weeks.

The impact upon distribution early this year has been inefficient to rob Sir Charles Illiers, chairman of the British Steel Corporation, of hopes that the concern's estimated £350m deficit in 1978-79 might be reversed in time to break even during 1979-80.

British Steel's hard-pressed management finds its attempts to drag the business back into industry, particularly in its dealings with the Government, and Common Market officials, from, now, another direction.

The corporation's central strategy of concentrating iron and steelmaking upon the lowest possible low-cost coastal networks, to keep costs down and profits on sales up, is being challenged by the coal lobby.

At issue is whether the corporation should have the right to import coking coal from Australia to get the best production from its new 10,000-tonnes-a-day blast furnace that will start production at Redcar in summer.

It is likely to be resolved at the Cabinet table rather than between British Steel and the National Coal Board. If a Labour Government is returned in May the coal lobby is expected to secure a ban on the coal imports.

The Redcar furnace is among the world's biggest, and twice as big as anything else in Europe. It involves an investment of £400m, the biggest single capital investment in iron and steel made in Europe.

Its function is to make some of the cheapest iron available to any steel company. In turn, that iron, fed to the steel furnaces, will reduce the cost of the corporation's steel and make a big contribution towards improving its competitive position at home and abroad.

British Steel's blast furnace performance does not compare well with those of other steel-producing nations.

In Britain, 590 kg of coke are needed to make a tonne of iron compared with 490 kg in West Germany, 450 kg in Holland, and only 430 kg in Japan. The new furnace, with its economies of scale, is intended to redress that imbalance.

The Redcar blast furnace will need 2.2m tonnes of coking coal a year. During its planning, a working party was formed, including representatives of the corporation and of the National Coal Board, to decide how the coal should be obtained.

The Board went ahead with schemes to increase its North-east coking coal output. To some extent it was frustrated by geological obstacles, in the seams it wished to develop.

However, it has spent £37m in pit development in the North-east and in the Kent coalfield. That investment, the Board says, is to meet a demand from Redcar.

The working party agreed upon the special blend of coking coal needed to run the new furnace properly.

The coal needs a closely defined reactivity in terms of its chemical qualities. It needs the physical strength as coke to take the weight of iron ore above it in the giant furnace.

In both areas the Board and British Steel agreed that they were moving into new territory as far as use of coking coal in Britain is concerned.

The working party decided upon the type of coking coal needed but failed to agree on how it should be supplied. The best blend appeared to be a mix of a quarter of home-produced and three-quarters of imported coal.

At that point, the two nationalised industries agreed to disagree as to how the coking coal for Redcar should be provided.

The National Coal Board said that it could provide enough varieties of British-mined coking coal to make a suitable blend equal to the mixture of home and foreign coals. British Steel, unimpressed, decided upon a compromise mixture of 45 per cent home coal and 55 per cent imported.

Two contracts have been signed between British Steel and the Australian coal producers. The first is for 300,000 tonnes of medium volatile coking coal each year until 1981. The second is for 250,000 tonnes a year for nine years. The prices are less than £30 a tonne.

The contracts give British Steel some of the best coking coal in the world. The experts do not quarrel on that. Moreover, the Australian prices are £10 a tonne less than the best prices offered by the NCB, which has to deep-mine its coal in difficult conditions.

British Steel maintains that its decision was not influenced by the lower Australian price. It says that it chose the coal on strictly technical grounds as the best raw material to run its new and complicated blast furnace in the most efficient way it knows.

There is much mystique and empirical lore about operating a 10,000-tonnes-a-day blast furnace. It is an operation on a scale never previously attempted in Europe, even in Japan, experience is limited.

British Steel is naturally anxious to reduce the variables as far as possible before the furnace is lit. One area that it can control is the coking coal specification.

It is prepared to reduce its demand from the 75 per cent/25 per cent combination of foreign-to-home coals to the less efficient 55 per cent/45 per cent formula. But that is as far as it will go.

The principal weakness of the NCB case is that the British coalfields are short of the favoured "301" variety of coking coals, the low and medium volatile variety.

The board would like British Steel to take more of the highly volatile coals ("501" variety) that it can supply. British Steel argues that it would be penalising its investment if it uses high-sulphur content British coal with poor coking qualities.

British Steel buys about 8.5m tonnes of coking coal annually from the board and imports another 1.8m tonnes of special coking coals to obtain the combinations it needs. The new contracts with Australia would increase imports to between 2m and 3m tonnes a year.

Coking coal supplies for the Redcar furnace look like being a test case. If the board wins the right to supply the furnace from home coals, at the expense inevitably of British Steel iron output levels, it will then have every reason to press further to substitute home coals for the remaining 1.8m tonnes a year of coking coal imports.

LABOUR

End national pay talks, says engineers' chief

BY ALAN PIKE, LABOUR CORRESPONDENT

THE POSSIBILITY of abandoning national wage negotiations in the engineering industry is suggested today by Mr. John Boyd, general secretary of the Amalgamated Union of Engineering Workers.

Mr. Boyd, writing in his union journal, says that when the AUEW national committee meets later this month it must "surely give some thought" to bypassing the Engineering Employers Federation and conducting all negotiations on a company basis.

National minimum rates are now negotiated with the EEF and local negotiations which determine actual earnings follow.

The engineering unions are unhappy with a national offer made by the EEF last month—increased wages of 5p per week on basic rates in reply to a claim for up to £20.

Mr. Boyd says in his article that employers have shown by their offer that they had "no role to play in our modern, fast-changing society other than to try to keep wage rates at a really low level."

To suggest that a craftsman should have a basic rate of only £55 for a 40-hour week—the value of the employers' offer—"must force all of us to question the usefulness of any more national negotiations in the engineering industry."

Mr. Boyd launches a strong attack on the EEF, accusing the employers of being "oblivious to all that is happening around them, unresponsive to the challenge of change, blind to the wonderful new future which can be for engineering as we move further into the 'electronic and microprocessor' age."

Both unions and employers in the engineering industry have until now valued the national agreement since it provides, in addition to minimum pay rates, common conditions throughout the industry. The unions now want manual workers' conditions of employment harmonised with those of white collar staff and the employers have offered a working party to consider this.

Brigshaw defends print union's financial moves

BY NICK GARNETT, LABOUR STAFF

LORD BRIGSHAW, former general secretary of the National Society of Operative Printers, Graphical and Media Personnel (Natsopa) issued a statement yesterday defending financial policy decisions by the union during his leadership.

The union is seeking legal advice on whether to take civil proceedings to recover money that might be owed the union from property deals. Inquiries are also taking place into the operation of the union's bank accounts and into companies set up through the union or by officers acting on their own authority.

Lord Brigshaw's statement says: "All actions taken by officers and staff were in accordance with the known and decided policies and instructions of the executive council and governing council and appropriate ballot votes of the membership."

Lord Brigshaw said that he resented the "continuing witch hunt" into the union's affairs.

"When I was elected general secretary of the society in 1951, the society was actually insolvent, as most trade unions are today.

"Natsopa in 1951 was in insipient bankruptcy as a result of inter-war generosity of the society with certain benefits to the membership. Policies and actions initiated with the executive council of 1951 and subsequent years avoided the development of a bankruptcy situation during those years."

A special audit of the union's accounts has been carried out by Baker Sutton and Co., City accountants. Mr. Owen O'Brien, the present general secretary, said at the weekend that in future the union would present its balance sheets and financial statements in the way suggested in the accountants' report.

Re-election of Tierney boosts union moderates

THE MODERATE leadership of Britain's sixth largest union, the Union of Shop Distributive and Allied Workers, appears to have received a vote of confidence with the announcement yesterday of the re-election of Mr. Syd Tierney, MP, as national president.

He had an 80,000 majority over his Left-wing challenger, Mrs. Audrey Wise, MP.

At the same time the Left-wing candidate for the general secretaryship, the election for which is still taking place, has lost his seat as a member of the national executive. He is Mr. John Dilks, who was convincingly beaten by his two successful moderate challengers.

In the presidential voting Mr. Tierney, MP for Birmingham received 188,000 votes compared with Mrs. Wise's 108,000.

In the Midlands executive council election Mr. Ray Scherer of Nottingham and Mr. Dick Stonehouse of Leicester were elected with 43,000 and 37,000 votes respectively. Mr. Dilks obtained 27,000 votes.

Although Mrs. Wise's defeat means that the union loses its chance of having a woman president for the first time, two additional women were elected to the executive—Mrs. Betty Wardle and Mrs. Loui Woolston—both from Manchester.

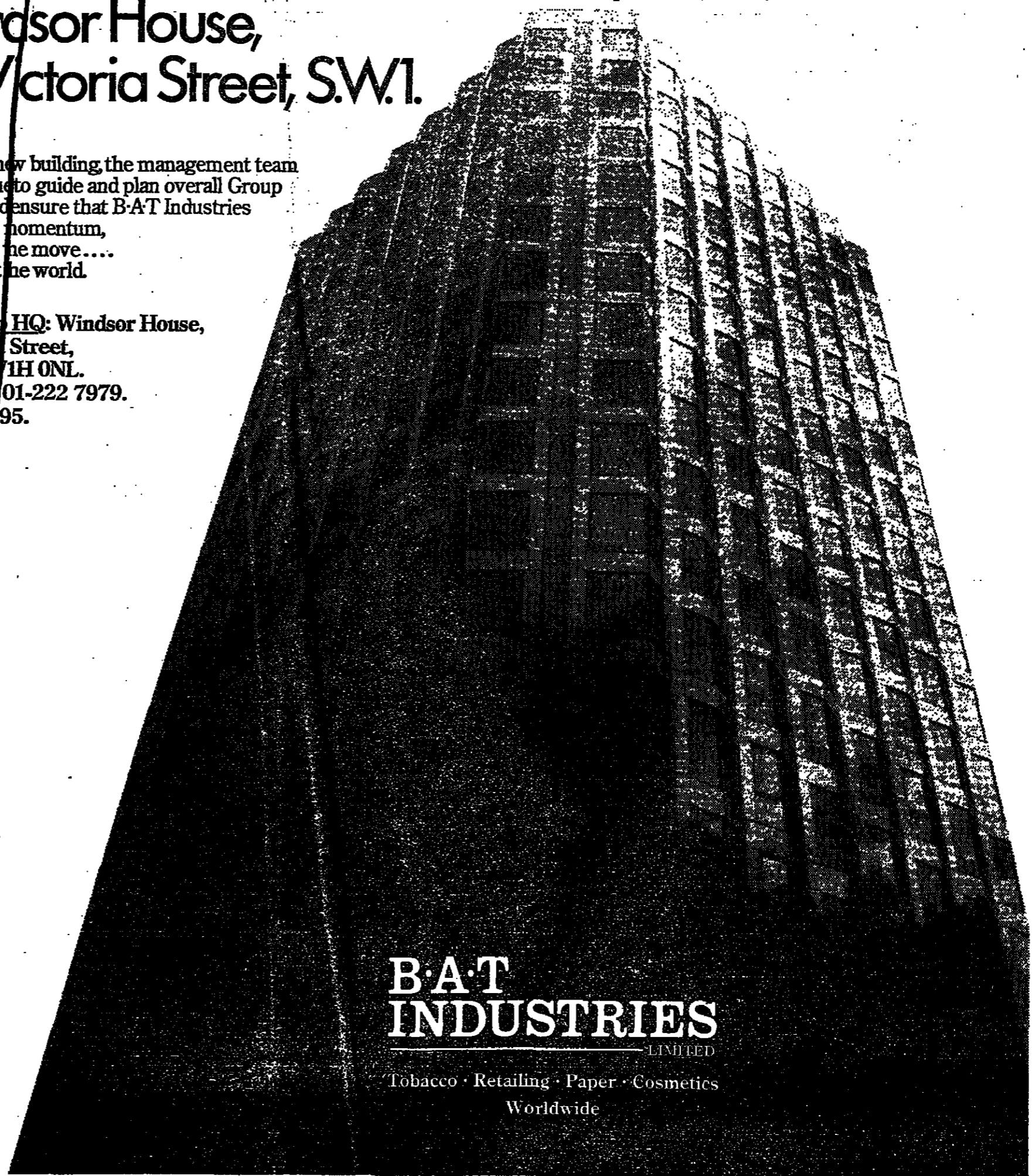
The election for general secretary has been caused by the imminent retirement of Lord Allen, who has led the union for 17 years. The contest is between Mr. Dilks and Mr. Bill Whitley who is the union's chief organising officer and standard bearer of the moderates.

B·A·T Industries on the move...

Today, B·A·T Industries Limited move to new Group Headquarters at Windsor House, Victoria Street, S.W.1.

From this new building the management team will continue to guide and plan overall Group strategy and ensure that B·A·T Industries sustains its momentum, remains on the move... throughout the world.

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B·A·T INDUSTRIES

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Quarterly analysis of bank advances

to UK residents by banks in the UK at February 21, 1979; as Table 4 in the Bank of England Quarterly Bulletin.

Table with columns: Bank, Date, Total, In sterling, In foreign currencies adjusted for exchange rate effects. Rows include London clearing banks, Scottish clearing banks, Northern Ireland banks, All banks, and Changes.

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Including lending under special schemes for domestic shipbuilding. The analysis provided by Northern Ireland banks differs slightly from other banks. Chemicals and allied industries are included indistinguishably in 'Other manufacturing'.

WEEK'S FINANCIAL DIARY

The following is a record of the principal business and financial engagements during the week. The Board meetings are mainly for the purpose of considering dividends and official indications are not always available whether dividends concerned are interims or final.

Table of financial diary entries including Board Meetings, Company Meetings, and Dividend & Interest Payments.

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Sotheby's to auction Viking bracelet

A 1,000-year-old Viking coin, while on honeymoon, bracelet found on a beach at Paignton, Devon, is expected to fetch £3,000 in auction at Sotheby's, Belgravia, on June 5.

It was discovered by Mrs. May Creasey, aged 29, of Coult Museum officials who advise Avenue, North Hykeham, Lincolnshire to Sotheby's.

Architecture medal for Eames

THE Royal Gold Medal for Architecture has been awarded to the office of Charles and Ray Eames, the American design partnership begun in 1941 by Charles Eames, who died last August, and his wife, Ray.

General Cable International N.V.

In accordance with the provisions of the above Notes, Irving Trust Company, as Fiscal Agent, has determined the Rate of Interest payable with respect to Coupon No. 18 on Friday, September 28, 1979 to be Eleven and Seven-eighths per cent (11 7/8%) per annum.

Vertical advertisement for Mercedes-Benz cars, listing various models and prices.

Advertisement for Ferrari cars, listing models like the 308 and 288 GTO.

Advertisement for Rolls Royce Silver Shadow cars, highlighting features like the 6-cylinder engine.

Advertisement for a new Daimler 5.3 Squadron blue helicopter.

Advertisement for Rolls Royce Corniche cars, listing models like the Phantom and Phantom II.

Advertisement for Contract Hire and Leasing services, offering 50 years experience in motor vehicles.

Advertisement for Legal Notices, mentioning the High Court of Justice and various court proceedings.

Advertisement for Rolls Royce Silver Shadow cars, highlighting features like the 6-cylinder engine.

Advertisement for 3 New Porsche 911SC Sports for sale, mentioning choice of colors.

Advertisement for saving £1200.00 on a new Daimler 5.3 Squadron blue helicopter.

Advertisement for a new Daimler 5.3 Squadron blue helicopter.

Advertisement for Foreign Hotels, listing various international destinations.

Advertisement for WE INVITE OFFERS ON cars, listing models like the Porsche 911SC and Mercedes 350 SE.

Advertisement for Legal Notices, mentioning the High Court of Justice and various court proceedings.

Advertisement for Rolls Royce Silver Shadow cars, highlighting features like the 6-cylinder engine.

Advertisement for 3 New Porsche 911SC Sports for sale, mentioning choice of colors.

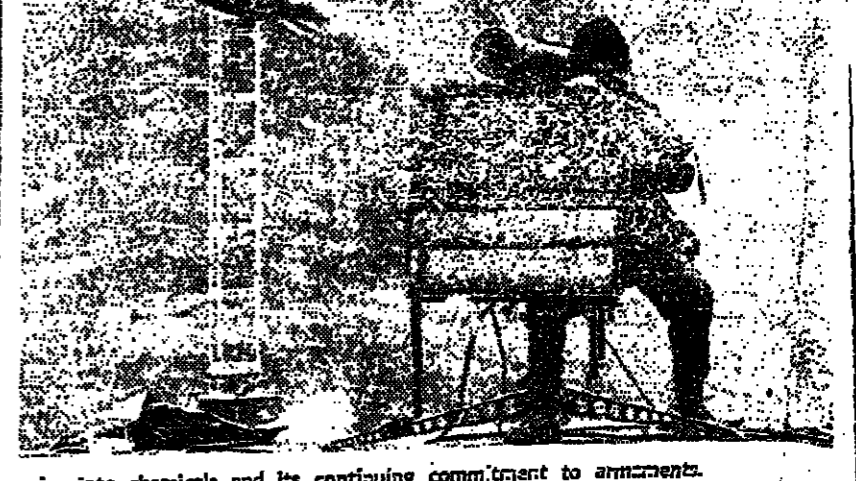
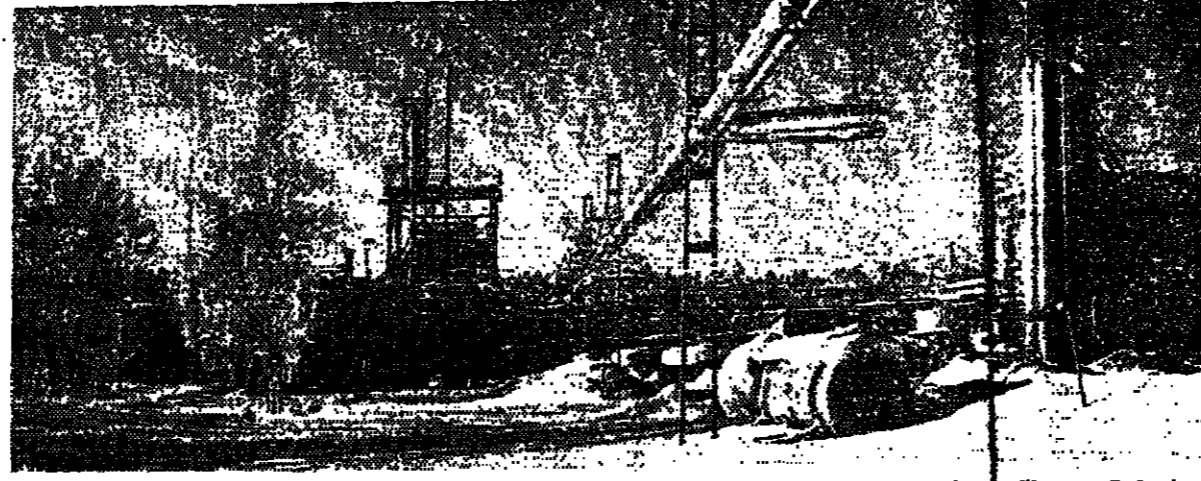
Advertisement for saving £1200.00 on a new Daimler 5.3 Squadron blue helicopter.

Advertisement for a new Daimler 5.3 Squadron blue helicopter.

Advertisement for Foreign Hotels, listing various international destinations.

Large advertisement for Monotype Communications Limited, featuring a man at a typewriter and text about their 'Monotype 80' system.

THE MANAGEMENT PAGE



Claes-Ulrik Winberg (left)—concentrating his mind on getting the right diversification mix; a spent acid plant (centre) and the RBS 70 laser-guided anti-aircraft missile illustrate Bofors' expansion into chemicals and its continuing commitment to armaments.

WHAT DOES a world-renowned arms manufacturer based in a neutral country do, when its domestic market threatens to shrink and public opinion strongly favours disarmament and curbs on trading in weapons? Exploit its technological know-how in less controversial fields and diversify quickly, is the obvious response. But Bofors has been in and out of "civil" production for the past century or so and in the view of Claes-Ulrik Winberg, managing director of the Swedish armaments group, diversification is the only answer. Since he took over in 1973 he has eliminated some 20 product groups from the company's range—including some of its steel interests—but he feels that Bofors is still too diversified.

It does not pay, he argues in contradiction of much previous Bofors' thinking, to move into products which the company's workshops have no experience of manufacturing and which call for a widely different marketing and financing approach. This philosophy is born of experience. The ordnance division has continued to be the main source of Bofors' profits, whereas several attempts at diversification have not turned out well.

Bofors' strength has lain in its engineering and technical skills. It has been orientated to product development rather than to marketing. Its main customers have been governments and defence procurement departments and it has not been geared to meet the demands of a variegated industrial market. The policy evolved by Mr. Winberg, therefore, has been to develop profitable, new operations out of the group's existing skills aimed at a product market of which it already has experience. This is why Bofors has decided to concentrate on chemicals as a second pillar alongside its ordnance activities and is backing the U.S. market.

Bofors Nobel, the chemicals and plastics division under a new general manager, Per-

Olof Norberg, currently has a turnover of around Skr 600m (£88m, \$138m) which is less than a quarter of total group sales and half the ordnance division's turnover. But its operating profit has grown from Skr 5m in 1974 to Skr 43m last year.

The link with armaments comes through explosives and propellants. In producing the ammunition for its weapons and the fuels for its missiles Bofors had to develop techniques for the safe treatment of explosives and acid concentrations. Bofors Nobel aims to cash in on these techniques by providing specialised materials and services for the chemical and pharmaceutical companies.

Dangerous

Paralleling its explosives production Bofors has specialised in nitration and nitric acid oxidation processes. More recently, to meet new pollution and environmental requirements, it has had to develop techniques for handling the "spent acids" left by the processes. As a result it is now able to take over for other companies the processing of their raw materials and the handling of dangerous wastes, which is often a costly and embarrassing overhead for them.

Pharmaceutical companies, in particular, want to put their money into research and development and into marketing. For an individual company the nitration processing of its chemicals is a small volume but difficult operation with potential pollution problems. Bofors Nobel offers to produce these chemicals at its specialised plants, saving its customers the investment and the pollution headache.

Already the division sells 90 per cent of its chemicals abroad, its largest markets being in West Germany and the U.K. But the greatest potential lies in the U.S. market, at a later stage, poss-

ibly in Japan. In Europe transport overheads are not a problem because the business is in specialised, not bulk chemicals, but to tap the U.S. market Bofors Nobel acquired a small company, Lakeway Chemicals Inc., Michigan, in October 1977. It is now in the process of extending its technology to Lakeway. A spent acid plant will come on stream in the autumn and a new nitration plant should provide extra capacity next year. The possibility of buying up another American company is being evaluated. Mr. Norberg hopes to get U.S. sales up to Skr 150m a year by 1981 and anticipates a 10 per cent annual volume growth thereafter.

The Swedish-based Nobel Kemil remains the largest unit in Bofors Nobel with 40 per cent of its contracts still coming from military customers. A third unit, Nobel Chematur, which has been operating since the 1930s as a chemical engineering contractor, mostly in designing explosives factories, can also benefit from the division's new venture.

The decision to expand on the chemicals side was taken in 1976, when a three-year Skr 260m programme was adopted. It is almost complete. Half or more of the investment has gone into environmental improvements and another large chunk into renovating the existing plant at Karlskoga, so that it is only now that the real expansion of capacity is coming through.

Bofors Nobel is not yet generating enough profit to finance its own investments but Mr.

Norberg's target is to contribute to group cash flow by 1982. His fourth operation, plastics, could provide problems. The odd one out, it does not share the basic technology of the other three units, producing plastic components for cars, trucks and caravans on the civilian side and missile tubes on the defence equipment side. After taking over the plastics operation of the Trelleborg company last year, Bofors currently has con-

siderable over-capacity in plastics and some rationalisation is needed.

While chemicals are regarded as having the greatest growth potential, more than three-quarters of the group's Skr 2.8bn (£320m, \$643m) turnover is still being generated by the ordnance, steel and other engineering operations. Bofors is in no mood to abandon the profits of its weapons manufacturing and attitudes towards the future of the ordnance division at Karlskoga headquarters are by no means defeatist, but steps have already been taken to reduce the group's exposure on the loss-making steel side and on Bofors-Nohab, the diesel engine and turbine company.

Bofors has just reported improved pre-tax earnings of Skr 117m for 1978 but as in the previous year the figure hides the wide gap between the profit contribution from armaments and—more modestly—chemicals

and the losses sustained by the steel and engineering operations. The advance payments made under the armaments contracts are also the main source of the good financial income which boosts the pre-tax result.

The uncertainty shrouding the future on the arms side makes it all the more imperative for the management to pare away its cash-consuming operations. The profit criterion is

being re-emphasised and one suspects that Mr. Winberg would happily get rid of the whole steel business.

The ordnance division furnished sales of over Skr 1.2bn last year but, allowing for the explosives and propellants supplied by the chemicals division, Bofors' reliance on defence contracts is proportionally rather larger. Roughly half the group's 14,000 employees work on military contracts. At Karlskoga some 5,500 of the 8,500 employees are directly or indirectly involved in weapons and ammunition production.

Mr. Winberg believes that the ordnance division has probably reached its maximum size. The cuts in Swedish defence spending already foreshadowed mean that to maintain the present volume of production, more export contracts will have to be won. Over the last two years about 55 per cent of Bofors' weapons and ammunition output has gone to the Swedish

defence forces. That proportion will gradually be reduced, possibly by as much as half.

The prospects for increasing export sales, it is felt in Karlskoga, depends more on political attitudes than on having the right products. Recently, the foreign affairs committee of the Swedish Parliament voted unanimously for a re-examination of the regulations governing Swedish weapons exports.

The government has also set up a commission to investigate the opportunities for the armaments industry to switch to "alternative" production. "Forget it," Mr. Winberg says bluntly, "there is no alternative."

Bofors makes guns and missiles to Swedish specifications which ensure that they are fundamentally defensive in nature. This "lock on the door" attitude to defence attracts countries which share Sweden's neutral strategy, and developing countries, whose governments feel the need for a deterrent defence.

Foreign demand for Bofors' weapons is undoubtedly strong, but the politics of Swedish arms exports are complex in the extreme. Bofors sells to NATO countries. Its power-operated L/70 40mm gun, the successor to the one which defended Britain in the second world war, is the main anti-aircraft weapon in many countries' defences. The third generation, system 75, using a proximity fuse and a pre-fragmented shell is in the final stages of competition with the Swiss Cerberus for U.S. orders. Bofors' portable anti-aircraft

missile, the RBS 70, has been bought by Norway and is being evaluated by other NATO countries. It is being developed for use at night. The 155mm FH 77 mobile howitzer has also attracted foreign attention.

Swedish politicians have to balance ideals and attitudes to world disarmament against the tradition that the country's own defence forces should not rely solely on foreign suppliers and the knowledge that domestically produced weapons are cheaper, if manufactured in larger series than required by the Swedish forces. In practice Swedish authorities have been fairly pragmatic and Bofors has not been deterred from planning its export drive.

But the Government and the Defence Procurement Organisation have been keen recently to concentrate domestic arms production, particularly on the missile side. Last year Sweden's two producers established the Saab-Bofors Missile Corporation for joint design, development and production of the next missile generation.

Military

If Mr. Winberg has to adjust to the political wind for the half of the group involved with military contracts, he is able to take straightforward business decisions in the other half. The steel operation, which has been operating at a loss for three years, has been trimmed, a reconstruction of the drop forging plant is planned and a partner has been found for the diesel engine operation.

Although in the 1870s Bofors was the first company in the world to cast a gun from steel, there is now virtually no link between its steel and armaments sides. In steel it has had two main operations, the production of high-alloy tool and construction steels and a forge producing chiefly heavy lorry crankshafts. The first operation has been effectively dropped from the beginning of this year under an

agreement with the Uddenholm company.

Bofors' Skr 400m plan for the erection of a new drop forging plant at its Karlskoga works in a joint venture with Sumitomo, which would have supplied the new press, suffered a setback when the Japanese company withdrew. The new press would substantially enlarge crankshaft output and therefore calls for a larger market. There is probably room for no more than four such presses in Europe; two are already operating and a third is being considered. The alternatives for Bofors are to find another partner with both finance and market access, to persuade the Swedish Government to finance a smaller forge or to abandon the whole crankshaft business.

From the other loss-making company, Bofors-Nohab, diesel engine production was transferred last year to a new company which Bofors owns jointly with the Finnish Wärtsilä concern. The idea behind this move was similar to that which prompted the dropping of the tool steel business—that it would be better off outside the Bofors group. Through the Finnish market and Wärtsilä's contacts with the Soviet market, the venture, it is hoped, will have the scope to develop new engines.

Bofors' history goes back to the middle of the 17th century when a hammer forge was built at Boda fors (meaning stream), close to its present Karlskoga headquarters. Alfred Nobel, founder of the Nobel prizes, took over the company in 1894, introducing the ammunition and explosives business with its complementing chemicals production.

After all the twists and diversifications of the intervening years the Bofors which Mr. Winberg is taking into the 1980s remains fundamentally that of Alfred Nobel, an armaments and chemicals concern. The cobbler has found it best to stick to his last.



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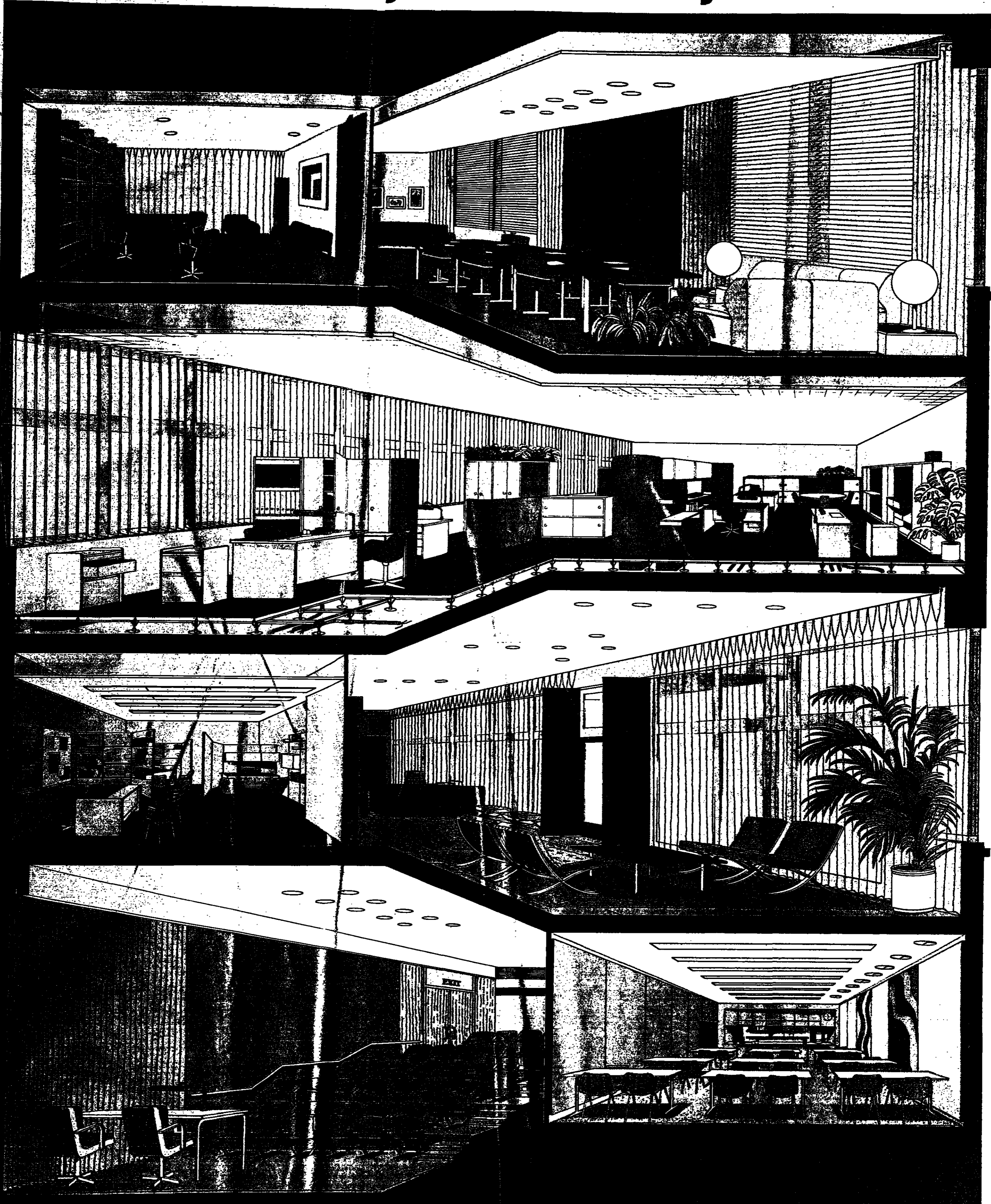


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Case for a new wage formula

BY SAMUEL BRITTON
THE CASE for indexation to minimise the damage caused by high, variable and uncertain rates of inflation...

Business
The case for wage indexation is a little more problematic because it is more open to abuse...

Opinion
It should be possible to write into contracts provisions for referring to outside economic bodies...

Richard Layard presents this proposal as a form of incomes policy. This, in my view, is the worst way to launch it...

Layard's proposal requires elaboration. His formula can be used to provide a basic scale. But it is not possible to guarantee real wages for everyone all the time...

Sorting out tenants' families and Rent Acts

LEGISLATION giving tenants and their families protection against eviction from their homes continues to pose of awkward problems for the courts. Two decisions recently in the Court of Appeal...

The problem arises whenever a tenant protected by the Rent Acts dies. The law, ever since the first statutory intervention into leasehold premises during the First World War...

When she became ill he nursed her as a husband would be expected to do. At no time did she pretend that she was a married woman by using his name or by giving any hint to any person that they were a married couple...

THE WEEK IN THE COURTS

BY JUSTINIAN
The burning question for a judge was: could effect be given to this changed social attitude, and consequent change in the scope of a common English word, without doing violence to the doctrine of judicial precedent?

National course needs scrutiny

WITH ONLY seven of the 34 starters for the Grand National having completed the course, and riders almost all having to have a close inspection of the National course and its fences...

I have little doubt that a gap should have been left in the temporary running rail, erected on the first circuit between the 14th fence and the Chair...

Radio drama wins prize

THE CLERKS, a BBC drama first broadcast on Radio 3, is joint winner of the first Prix Futura radio drama. It is worth DM 5,000 (£1,310).

The other joint winner is a Danish play. General Service 2.00 pm, 8.00-8.22. HTV West—As HTV General Service except 2.20-2.40 pm Eastern Headlines...

ENTERTAINMENT GUIDE

ENTERTAINMENT GUIDE
THEATRES
OPERA & BALLET
MAY FAIR, 01-529 3034. EVENINGS 8.0, Sat. 8.0 and 8.30. A NIGHT IN THE UKRAINE. A MARX BROTHERS COMEDY. A SCOTCHER OF HONOUR. A SCOTCHER OF HONOUR. A SCOTCHER OF HONOUR...

TV/Radio
BBC 1
6.40-7.55 am Open University. (Ultra high frequency only). 12.45 pm News. 1.00 Pebble Mill. 1.45 Open the Moon. 3.15 Songs of Praise. 3.33 Regional News for England (except London). 4.55 30 Chuggers Plays Pop. 4.40 Baggy Pants and the Nitwits. 5.00 John Craven's Newsround. 5.05 Blue Peter. 5.35 The Perishers. 5.40 News.

F.T. CROSSWORD PUZZLE No. 3,937
ACROSS
1 Jay relatives make excursions (6)
4 Fish preserved aboard for the masters (8)
9 and 10 to a row to the westward (10)
10 and 11 to a row to the westward (10)
12 something from the counter can be out of this world (10)
13 one minute a count for each person (10)
15 a highly well-known character (10)
16 Friday's usual rights are suspended (10)
17 She was assured she would look nice on a tandem (5, 4)
18 It takes a climber to know the tune (8)
19 A scrap in a Portuguese airport causes a mix-up (7)
21 Frank Levy upsets the Gestapo (7)
22 Jacket for the dance (6)
24 The French and the English join in a machine (5)
26 A well-known person therefore must get up (4)
DOWN
1 Consignment to this place is abrupt dismissal (7)
2 Distracted — like Humpty Dumpty (2, 3, 4)
3 Characteristics shown by artist among the birds (4)
5 Maintain a stronghold (4)
6 His wife had her eye on a premium (5)
8 Illicit liquor-store puts waitress in the money (7)
11 Commander hurried to the dance (7)
14 As March comes in the Constellation takes on a number (7)
17 She was assured she would look nice on a tandem (5, 4)
18 It takes a climber to know the tune (8)
19 A scrap in a Portuguese airport causes a mix-up (7)
21 Frank Levy upsets the Gestapo (7)
22 Jacket for the dance (6)
24 The French and the English join in a machine (5)
26 A well-known person therefore must get up (4)

RADIO 1
(5) Stereophonic broadcast
5.00 am Simon 2. 8.00 Dave Las Travas. 8.00 Simon Bates. 11.31 Paul Burnett. 2.00 Tony Blackburn. 4.57 Kid Jensen. 7.00 Stavin' Alvin. 8.00 Andy Peebles. 9.00 Newsbeat. 10.00 Radio 1 (5). 12.00-5.00 am:
RADIO 2
5.00 am News Summary. 6.02 Tony Brandon. 7.32 Ray Moore including 9.27 Racing Bulletin and 8.45 Focus with the Best of Jazz records (S). 9.35 Sports Desk. 10.02 The Monday Movie Quiz. 10.30 Star Sound. 11.02 Report on the Night with the Music (S) You and the Night and the Music (S)
RADIO 3
6.55 am Weather. 7.00 News. 7.02 Country (S). 7.50 News. 8.05 Morning Concert (S). 9.00 News. 9.05 This Week's Composer. Falls (S). 10.05 Talking About Music (S). 10.45 Laughing with the Schumann concert (S). 11.00 Paul Crossley piano recital (S). 11.30 Midday Concert. part 1. Mendelssohn (S). 12.00

THE ARTS

كلمة اليوم

CAMDEN FESTIVAL

Round House

Don Quixote by RONALD CRICHTON

Paisiello's Don Quixote, a Neapolitan opera buffa of 1769 was re-worked over two centuries later by Hans Werner Henze for the summer festival at Montepulciano. The public square of a Tuscan hill-town is a more sympathetic place than the Round House and there the up-dating may have worked. In Phoenix Opera's staging for the Camden Festival last week—the first "opera in the round"—it seems in these islands and Lord what prospects that calls up—the joke turns heavy and goes on for too long. That is a pity, for the music, or what one hears of it through the galumphing, is attractive.

main intrigue and an amateur wind-and-brass band for Quixote's major flights of fancy. The Koeling ensemble, at the Round House at least, is poked away in holes in Ralph Koltai's otherwise ingenious set, the big band (from William Ellis School) is up in the balcony. The contrast is effective and the dovetailing neatly done by the two conductors, Jan Latham-Koenig (down) and Richard Hickman (up).

The small ensemble includes instruments Paisiello never knew. With their aid Henze has contrived some entertaining accompaniments, though one or two of the percussion effects come round too often. Because the producer Tom Hawkes has chosen a knockabout, jokey style with bawdy oaths uttered in the winding way English opera singers use when they are trying to act like real comics, one has the uncomfortable feeling of missing good things from the half-submerged downstairs orchestra (the balcony band has it easier).



Kenneth Bowen (left)

Leonard Burt

Teatro alla Scala, Milan

Mosè and Bohème

by RONALD CRICHTON

An event of the present season at La Scala has been a revival of one of the grandest of Rossini's serious operas, Mosè. This is the usual title for the Italian version of his Mosè di Faraone produced in Paris in 1827, a re-composition and expansion of the earlier Mosè in Egitto given at Naples in 1818—Rossini revised the third act the following year, adding the work's most famous number, the Prayer "Dal tuo stellato soglio".

The name given in the libretto to the brother of Moses—though one tenor voice presumably belonging to Giampaolo Corradi was lighter and more agile than the sound made by Vincenzo Bello, who sang the heavier (and very demanding) first tenor emergency lighting. Can there have been a better Musera than Lucia Popp since Weltsch? The middle voice is now as beautiful as the top. Pavarotti's big bear of a Rodolfo is the ideal complement to the Mimi of Cotrubas. The sympathetic quality of Cappuccelli's Marcello was a surprise—he isn't often allowed a comic role. Nesterenko made a haunting Russian romance out of Colline's solo. Kleiber's extremely but not intolerably elastic conducting produced as brilliantly expressive playing by the Scala orchestra as an unforgettable Butterfly under de Sabata many years back.

The orchestral playing under López Cobos was clear, well-ordered and generally distinguished yet short of majesty for things like the big brass accompanied recitative of Moses. "Eterno! immenso! incomprendibile Dio!" Considering the limitations of some of the singers the big ensembles went pretty well, notably "Mi manca la voce" (full of Verdi premonitions) in Act 3 and the superb "O mio Dio" introduction to the previous act with the snaky theme winding its way through key after key. The Prayer in its cunning simplicity made the usual rousing effect.

Logan Hall

Janet Baker by ELIZABETH FORBES

The Camden Festival drew to a triumphant close on Saturday night with a recital, given by Janet Baker and Geoffrey Parsons at the Logan Hall. Rarely can artistry and dedication have been presented in such pure, intense form. Many singers treat an opening group of orie antiche merely as a means of warming up their own voices or of settling the audience's attention. Not so Dame Janet, who lavished all her interpretative skill on each and every item in the programme and from the first note of the first song—Calderara's "Salve amiche"—held her listeners in the vicious grip of her own concentration. Her tenderly regretful "Plaisir d'amour" established a mood of sorrowful love that Pergolesi's "Ogni pena" further explored.

Intellectual settings. The elfin charm of the accompaniment to "Nene Liebe" brilliantly evoked Heine's poem while in the familiar and well-loved "Auf Flügel des Gesanges" also a setting of Heine's singer and pianist together achieved a simplicity and directness of utterance entirely free from false naivety. In "Nachtlied" Dame Janet's exquisitely fine-spun line had the strength as well as the delicacy of silk. The more robust humours of "Hexenlied" were expressed in appropriately full, resonant tones.

This rewarding partnership with Lia's Air from the same composer's cantata L'Enfance prodigue, the feeling of passionate agony in the repeated cries of "Azaël! Why did you leave me? contrasted effectively with the gentler emotions of Mendelssohn and Faure.

Fenton House

Joseph Payne

This somewhat surreal recital was entirely devoted to contemporary American harpsichord music and was given by a player who has won some favourable comments for his recordings of Bach's French Suites, now re-released in this country.

evenly flip, with a smoochy tune and squareness of rhythm that owed nothing to the 18th century and, everything to Hollywood. Ann McMillan's April Episode was a nicely strident miniature, the world premier of Robert Stern's Fantasia on a motet by De Florentia seemed to be over before the motet had

even been properly stated. But I am wary of judging these pieces in the circumstances; and I am even more wary of judging Mr. Payne from his performance on a harpsichord which became progressively more unpleasant to listen to. Surely the Camden Festival could have afforded a tuner in attendance?

New Oxford dictionary

A new dictionary has been added to the family of Oxford dictionaries. It is The Oxford Paperback Dictionary, compiled by Joyce M. Hawkins, which in just under 800 pages, at £1.75, gives information on 48,000 words and phrases. The dictionary is designed, both editorially and typographically, to be as easy to use as possible.

"trooper" for example, after its two meanings (British and American) you will find the phrase "swear like a trooper," and also a warning note: "Do not confuse with 'trouper'." Under "trouper," besides the definition and the phrase "a good trouper," comes a cross-reference again to "trooper"; also, in case you should be tempted to pronounce "trouper" like "trousers" or "trout," there is a clear indication of its pronunciation.

Capital Radio to encourage drama

In an attempt to encourage more drama for broadcasting, Capital Radio is awarding a £750 prize to a new writer and the chance of having a play on the air. The award is being made through the Greater London Arts Association

(which, at the same time, is offering a similar prize for a play for a small touring company to perform). The awards are open to anyone over the age of 15 who lives, works or studies in Greater London.

FOOTBALL BY TREVOR BAILEY

Arsenal to Wembley with win over Wolves

ARSENAL BEAT a sadly inept Wolverhampton Wanderers by 2-0 to reach Wembley for the second time in succession. In last year's semi-final they outlasted Orient, who looked an indifferent Second Division team and played like one, while on this occasion it was easy to understand why Wolves are still in the relegation zone.

These two virtues count for much on the big occasion. It enabled them to put out that little extra when things were not quite clicking in the first half. It also allowed them at Villa Park to overcome the considerable handicap of being without their world-class international and main inspiration Liam Brady. The outstanding sides are not those who win when playing well, but those who still win when not at their best.

Although young Gattin performed admirably within his limitations and looks a fine prospect for the future, he is not yet the class First Division half-back he should become. Messrs. Neil and Howe have to try to see their players avoid injury, but at the same time they cannot afford to have them hold back in League matches.

It is hoped that the Midland supporters, who are inclined to be impatient, do not expect an overnight miracle.

man of dubious fidelity. His sister Victoria (Miriam Margolyes), who was only a doll in Act 1, is now married, but is thinking of leaving her husband to go and work in Manchester. She also leans towards a lesbian relationship with Lin (Carole Hayman), a single parent with a tiresome daughter Cathy (Antony Sher), who vies with her in foulness of mouth.

Royal Court

Cloud Nine

by B. A. YOUNG

"You write so well, and have so much learning." Richard Strauss said to Hindemith, "that I wonder you do not write music." I feel a similar emotion about Caryl Churchill. Cloud Nine is full of good lines and effective little situations; but at the end of it I felt we had seen nothing more than an enjoyable exhibition of the splendid acting of the Joint Stock Theatre Group.

nothing but actual or potential switching of partners, the sexual preferences being casual in the extreme. Should we learn something from the comparison of the two worlds? I learnt nothing, I'm afraid. The Joint Stock Company is talented and versatile I knew already, and that Max Stafford-Clark is a director of elegant talent. If the aim is to show, as the theme song suggests, that any kind of sexual union may be blissful, this is old news by now, and was indeed demonstrated rather more clearly in the simple unsophistication of Rony Robinson's piece at the Theatre Royal, Stratford, yesterday.

The play is in two distinct halves. The first employs all the current disparaging ideas about the Colonial era. It is as ill-informed as it is ill-natured, but neither characteristic matters much, since it takes the form of a cartoon in which historical accuracy is not essential. Clive, played by Antony Sher, is a Colonial archetype, and Betty (Jim Hooper) his archetypal wife. Their small son Edward (Julie Covington) is different, however; he plays with dolls and has dirty secret games with Harry Bagley, the great, but gay, explorer (William Hoyaland).



Julie Covington and Jim Hooper

Two singers win Miriam Licette award

The £1,500 Miriam Licette singing scholarship has been awarded, for the first time, to two singers, the Arts Council has announced. They are Anna Marie Holroyd, 23, of Headington, Oxfordshire, and Mary King, 26, of West Hampstead, London.

Table with columns: Deposit rate, Share rate, Sub'pn accounts shares, Term Shares. Lists various building societies and their rates.

FINANCIAL TIMES

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Monday April 2 1979

Security is not enough

IT WOULD BE impossible to prove, and it is in any case not very likely, that the present outbreak of attacks by the Provisional IRA and other related bodies would have been less vicious if British policy towards Ireland over the past year or so had been different.

Warnings

At the same time, however, it would be hard to maintain that British policy recently has been a conspicuous success. Mr. Roy Mason, the Secretary of State for Northern Ireland, deserves some credit for the way he helped to improve security and even to attract some economic investment to the province.

There must also be some doubts about a policy which continues to pour money into Ulster without any economic justification.

The tightening of security as practised by Mr. Mason was desirable in itself. There might also have been something more to be said for his policy of distributing financial largesse if it had been accompanied by a political dimension.

A temporary price freeze

AS WAS ONLY to be expected in the run-up to the general election, Mr. John Silkin, the British Minister of Agriculture, has been claiming a good deal of credit for the outcome of last week's farm price talks in Brussels.

It is true that Mr. Silkin argued, with admirable persistence, in favour of the Commission's proposal that there should be a general freeze of the national "common" prices, but it would be an illusion to suppose that his arguments have won over his opponents in other member states.

Doggedness

The defeat of the British Government and the imminence of the election campaign ruled out the convening of another farm ministers' Council in the near future, and the earliest date that negotiations can resume again will be the middle of May.

Compromise In that sense the only positive decision which did emerge from the Council—the devaluation of the British, French, Italian and Irish "green" currencies—was a tolerable compromise with reality.

The other side of the coin, of course, is that the deadlock over prices also included a deadlock over the Commission's proposals for new taxes on milk production.

THE PENNSYLVANIA REACTOR ACCIDENT

A major setback to U.S. nuclear power

By David Lascelles in New York and David Buchan in Washington

AMERICA HAS gone through a tense weekend watching and waiting while engineers grappled with the country's worst nuclear accident to date—a crippled and leaking nuclear power station in Pennsylvania.

By yesterday, five days after the cooling system at the Three Mile Island plant in the Susquehanna River had failed and radioactive steam had spewed into the atmosphere, it was still not clear how the emergency would end.

Danger likely to recede

Although the reactor was stable, the cooling process was complicated by the presence in the core of a steam and hydrogen bubble. Officials feared it could force out cooling water as pressure was reduced and expose the fuel rods or explode itself.

It appeared though that the worst catastrophe, reactor melt-down—which officials of the Nuclear Regulatory Commission said earlier could not be ruled out—was unlikely and that the danger was receding as time passed.

Even if the emergency ends in the next few days, and the thousands of people who fled the area return safely to their homes, the incident is little short of a disaster for the cause of nuclear power.

Objective Yet there remains one element in the Irish position that the British Government has recently overlooked. It is that the search for a political settlement that takes account of the Catholic community in Ulster should not be forgotten.

That is why Irish governments no longer seem to condone IRA activities. Their co-operation with the British authorities in security matters is now almost complete. There is also no longer any official demand for the withdrawal of British troops from Ulster.

There have been a few straws in the wind in recent months. The environmental lobby, long the major rallying point of nuclear opponents, has been weakened somewhat by the growing awareness that coal must be mined, refineries built, and power generated if the country is to keep going.

MEN AND MATTERS

The timing of a political novel

There is a grimly prophetic quality about The Ballot, a novel due to be published on April 30, three days before the general election. Written by Rowland Summerscales, a retired Lobby correspondent, it describes a power struggle inside the Labour Party after Parliament has been dissolved and an election campaign is imminent.

He spoke yesterday to Summerscales, who was in the Westminster press corps for more than a quarter of a century. He is now 66. "The death of Airey Neave shocked me very much," he said. "But it did not surprise me. I have always regarded it as obvious that the IRA would sooner or later try to kill a leading politician."

Summerscales finished off the first draft of his novel 18 months ago. Although he has written four previous political thrillers under a pseudonym, it is 10 years since his last book appeared.

Big bounce

Within a few years, company executives in far-flung offices will be talking to one another by private TV links. At least, that is the forecast of Sid Topol, who is in the business of providing "earth stations"—giving access to satellite broadcasting—at costs he claims even individuals can now afford.

Topol has just been in London, briefing investors in Scientific-Atlanta, of which he is president. The corporation, which has passed the \$100m annual turnover mark, was started by six professors from Georgia Tech with 100 dollars apiece.

The reactor: British interest: Previous accidents

Three Mile Island 2 is a newly-completed 890 MW pressurised water reactor (PWR) built by the U.S. company Babcock and Wilcox. It was still being commissioned when the accident happened. Its owners, Metropolitan Edison, have operated a slightly smaller (800 MW) reactor of the same kind and make since 1974.

There are more commercial PWRs operating in the world today than all other types of reactor combined. Of a total of 523 commercial reactors operating, under construction or ordered throughout the world, 283 are of this type. It is the reactor used in submarines, including British nuclear submarines. Britain is currently building a PWR in Scotland for the navy to use in demonstration and training.

The most obvious disadvantage seems to be that, should an accident occur, events happen more swiftly than with the U.S. designs, which allow hours instead of minutes for crucial decisions to be taken.

At the moment, the U.S. has just over 70 nuclear power stations generating 13 per cent of its electricity and saving it 1.6m barrels of oil imports daily.

However, the environmental lobby combined with uneconomic circumstances had all but stalled nuclear power development by the end of last year. Since 1974, nearly 200 orders for nuclear power stations had been cancelled or postponed.

With the prospects for domestic oil and gas production uncertain because of the high cost of exploration and the near exhaustion of many available fields, the burden will have to be borne by other fuels.

Since nuclear power for peaceful purposes got under way after the last war, there has not been a single death in the U.S. from an accident at a nuclear power station.

However, the environmental lobby combined with uneconomic circumstances had all but stalled nuclear power development by the end of last year.

Withy workers

Volunteers stepped in at the weekend to help preserve Britain's ancient craft of basket-making. It has lately been brought almost to a halt by a lack of the basic materials; so the volunteers went to cut withies—as the branches are called—at Skilly in Lincolnshire.

Withy workers Mrs. Catherine Wilson, keeper of the Museum of Lincolnshire Life, led the volunteers. She says: "The skill of growing willow for basket-making is fast dying out. The holt had not been cut for three or four years."

Lost touch The following announcement recently appeared in a Colorado newspaper: "Owing to unforeseen circumstances our daily horoscope has been suspended."

On her heels Mrs. Thatcher will not merely be contending with her political opponents in the weeks ahead; she will also have to face up to the fashion writers. I gather that several of the popular papers have already decided to assign women reporters to the Tory leader—to keep the public closely informed on her clothes.

The realm of witchcraft? This was borne out by a recent finding by the Roper Organisation, a public opinion research company, that 49 per cent of the population did not understand what nuclear power was all about.

But if the public is confused, the likely effect of Three Mile Island is clearer on Congress, in whose hands the future of nuclear power probably lies.

The second melt-down occurred at the Chapelcross nuclear power station, in a 55 MW reactor. No radiation was released, although the reactor was seriously damaged.

The most dangerous substance likely to be released in any nuclear accident is radioactive iodine. More than 1,000 times as much was released in the Windscale accident as any other radioactive substance.

However, judging by the immediate reaction of Congressmen to the accident, any pro-nuclear initiative now must be under a cloud.

The Chairman of the Senate sub-committee on nuclear regulation, Mr. Gary Hart, who visited the stricken reactor with his staff last week, said he would introduce legislation requiring the federal Government to monitor reactors, and assume full control immediately in the event of a crisis.

Representative Morris Udall has called his House Energy and Environmental sub-committee into session to take testimony from the nuclear regulatory commission—whose own role is bound to come under scrutiny because of the crisis.

Mr. Carter, who has never been an enthusiastic supporter of nuclear power, may elaborate his own position on the subject in his energy statement this week. So far, he has only said that the accident points to the need to review safety standards a procedure which itself could take years.

U.S. nuclear insurers have paid out less than \$1m in claims since 1957, the year such insurance started.

But as a close observer of the debate remarked "for most people nuclear risks are still in

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FINANCIAL TIMES SURVEY

Monday April 2 1979



South Korea

South Korea's economic growth during the past decade has been spectacular, particularly since a high proportion of GNP still has to be spent on defence. The country's first "industrial revolution"—based on cheap labour—is now coming to a close, and the economy is moving towards a greater emphasis on heavy industry. Meanwhile the authoritarian system of government continues to be a source of controversy inside and outside the country.

The race goes on

By Charles Smith
Far-East Editor

THE LATE President Sukarno of Indonesia once described the last year in which his shaky regime held power in Djakarta as "the Year of Living Dangerously". For South Korea, practically every year since the postwar partition of the Korean Peninsula has been a year of living dangerously, but the experience seems to have been invigorating.

South Korea lives in the shadow of one of the largest concentrations of military power on earth, quite a large portion of which consists of its own highly trained and heavily armed forces but has still managed to build one of the most dynamic peacetime economies to be found anywhere in the world. In the years since the 1973 oil crisis (when most other nations suffered drastic recessions, or at least breaks, in their rate of economic growth) Korea's GNP continued to forge ahead (at the cost, admittedly of very nearly being forced to

default on debts to the outside world in the early part of 1975). Today's Korea appears, on most counts, as one of the most impressive examples to be found anywhere of what is coming to be known as a "new industrial economy"—in other words a nation which has moved from undeveloped to almost developed status in the very recent past and which seems destined soon to challenge the fully developed nations. The average Korean citizen of 1978 was approximately 19 times better off than his 1960 forebear (in current prices) and can expect (if long-term Government projections turn out to be anywhere near accurate) to be four times richer again by the early 1990s.

It all seems too good to be true to western onlookers who have become accustomed to agonisingly slow growth rates and to the apparently insoluble problems of transforming outdated industrial structures. Yet Korea's high growth rate has brought its own problems, and some of them seem recently to have become fairly acute. It may not be too much to suggest that after a decade in which the GNP has seldom expanded by less than 10 per cent per year, the nation has now reached a major economic turning point.

A turning point can mean different things to different people: to the bureaucrats in the prices department of the Economic Planning Board (a body which still exercises supreme control over most aspects of the Korean economy) it means that the time has finally come to do something about the runaway inflation

which began to afflict Korea in the latter half of the last year, after years of uninterrupted expansion. Prices went up, officially, by 11.4 per cent during 1978, but the real increase is put at between 20 and 25 per cent, and the Government cost of living index registered another four per cent increase in the first two months of 1979.

Tackling the inflation problem has meant not only using the Government's sweeping price control powers to the full (as is currently being done) but deliberately reducing the economy's growth rate through the imposition of tight money. (The target is 9.5 per cent for 1979, but some observers think the economy may continue to gallop ahead at a faster pace however strongly the government applies the brakes.) Dealing with inflation also means imposing severe controls on the amount of foreign exchange that Korean exporters may bring into the country (because too much foreign exchange might produce a dangerous impact on the domestic money circulation).

If one section of the Government sees Korea at a turning point in terms of domestic economic policy, another focuses mainly on the crossroads that the country seems to have reached in foreign trade. Korean exports grew by 40 per cent per year from 1962 (when they were a spectacularly low \$35m) to the late 1970s when they surged past the \$10bn mark. Exports consisted (and continue to consist) largely of simple manufactured goods,

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Competing

To keep up with the 10 per cent rate of growth envisaged for the economy up to 1990 (which in turn is claimed to be necessitated by a 3 per cent annual growth of the labour force, Korea will have to take its place as one of the world's large importers of raw materials, competing with though naturally not equalling, the requirements of Japan and other top industrial countries. To acquire such raw materials may be possible but it will require more careful planning than Korea has put in up to now.

In tackling the new series of problems which seem likely to face it during the first half of the 1980s Korea will have to take account of one major

domestic factor. The economy has become more complex after years of rapid expansion and can no longer be managed by a small group of highly skilled and dedicated government planners, as was the case during the first decade and a half or so of industrialisation.

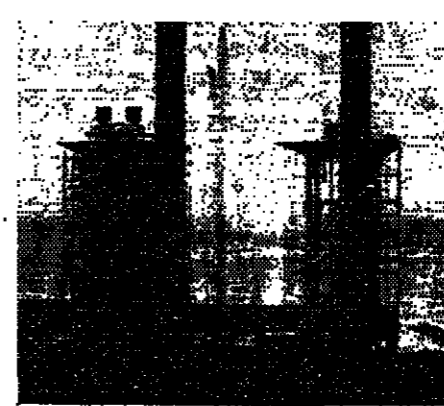
Whether the northern challenge also means that Korea has to continue to operate its current highly authoritarian system of government is a more controversial question, and one on which a fairly deep (if publicly suppressed) cleavage of opinion exists within the country. Supporters of the "Korean style of democracy" upheld by President Park Chung Hee (including quite a few politicians who technically belong on the opposite side of the National Assembly) claim that Korea cannot afford political turmoil while the North stands ready to "meddle" in the affairs of the South. It is also said that western-style democracy is not necessarily wholly suited to a society with strong Confucian traditions.

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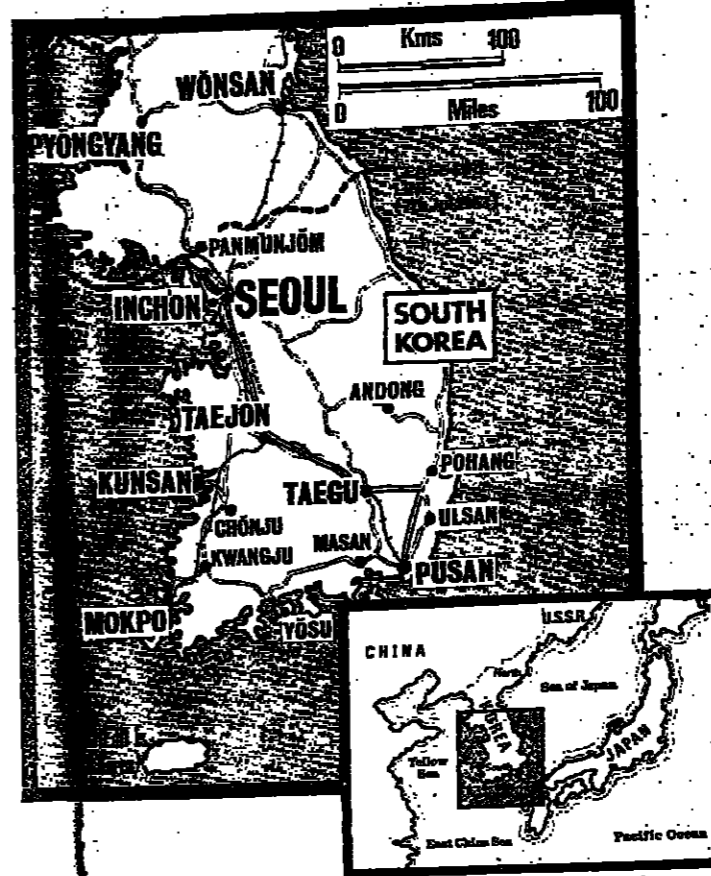


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SOUTH KOREA II

Politics

Uneasy democracy



Criticism of the present system comes, most vocally, from the so-called dissidents who have made a point of attacking the Yushin constitution (despite the ban on criticism incorporated in Emergency Measure Number Nine) and who have sometimes been arrested for their pains.

The dissident leaders include former presidential candidates Mr. Kim Dae Jung (who provided a strong challenge to President Park in the last direct presidential election in 1971 and who was released from "hospital detention" just before the end of 1978). "Rank and file" dissidents are to be found in the Korean Christian community and among teachers and students—but many of the latter apparently graduate to become dedicated employees of the business establishment which provides the main private level support for the Park regime.

Parliamentary opposition to the Park government is provided by the New Democratic Party (and by the much smaller National Unification Party). The NDP under its "middle of the road" leader Mr. Lee Chul-Seung, says Korea has to maintain a "balance" between national security and individual liberty—and has confined its criticisms of the government's emergency regulations to debates within the National Assembly.

A more vocal wing of the NDP, led by Dr. Kim Young-Sam, the party's former chairman, has attempted to stir up public opposition to the emergency rules and to South Korea's general failure to "measure up the standards" of Western democracy. Dr. Kim claims to have had an enthusiastic response from the half million South Korean residents of the United States but has found his political activities inside South Korea handicapped by indirect government action.

The views of ordinary people about the present political system remain something of a mystery. The fact that the NDP secured a marginally larger vote than the pro-government Democratic Republic Party in last December's elections to the National Assembly presumably should be read as a mild criticism of the regime—though it would appear that voters were protesting more against price rises and a recently-introduced value added tax than against the Government's stand on the basic issue of democracy versus stability.

A second feature of the 1978 election result, which may possibly have disturbed the Government more than the NDP's success, was the participation of very large numbers of independent candidates (255 against 151 candidates of officially registered parties) and a sharp increase in the independent share of the total vote. South Korea's electoral law is rigged against independent candidates, who have to pay bigger deposits than registered party candidates and have less freedom to campaign. The fact that so many people chose nevertheless to stand in the election, and that so many voters went to the polls (more than 80 per cent of the electorate) suggests that South Koreans have not lost their taste for democracy, no matter how much the Government would prefer them to opt for stability.

Charles Smith

North-South relations

Major differences remain

THE KOREAN peninsula is one of the few places in the world where relations between a Communist and a non-Communist Government continue to be conducted in a style reminiscent of the 1950s. The Government of President Park Chung Nee in the South has no relations, either official or unofficial, with that of President Kim Il Sung in the North. Movement across the Military Demarcation Line, which divides the two halves of the country is forbidden, and there is no telephone link or exchange of mail.

The concentration of military power along either side of the Demarcation Line (or to be exact to the north and south of the four kilometre wide Demilitarised Zone) is one of the heaviest in the world, involving over 1m men and more than 1,000 fighter aircraft (to say nothing of American nuclear warheads). Almost the only concession that North and South have made to the changing mood of the 1970s is to withdraw a ban on the adoption of a "two Koreas" policy by the outside world. South Korea currently has diplomatic relations with 105 governments while the score for North Korea (according to southern sources) is 93. These figures imply a considerable overlap—in other words there is no problem today for a country which wishes to maintain embassies in both Pyang-

nam and Seoul (provided it does not happen to be a major ally of either the South or the North). Opinions differ about the likelihood of a military flare-up along the Demarcation Line, with the South claiming that such a thing could quite easily happen (the tunnels dug by North Korea, under the DMZ are cited as evidence of the North's "aggressive intentions") and the North declaring that war is unlikely. What no one appears to disagree about is that the odds against a peaceful reunification of the country are enormous—at least while the present leaderships remain in power.

The Northern formula for reunification, establishment of a confederation which would seek joint membership of the United Nations while the existing authorities continued to run things in their own way on either side of the frontier, is anathema to the South, which favours a step-by-step approach starting with exchanges of mail and the reuniting of divided families. Because the differences are so wide, and because neither President Park nor President Kim seem to be the kind of men who would willingly step aside in the interests of reunification, the occasional negotiating sessions that have been held between the two sides are apt to be dismissed by outsiders as meaningless rituals, indicating, at best, that one side or the other is trying to gain a few propaganda points that might improve its image in the outside world. This interpretation may be correct, but it overlooks the fact that meetings of any kind between North and South are sufficiently rare to deserve attention—and to justify speculation on what might have prompted the two sides to start talking.

The most prolonged, and promising, series of contacts to have taken place between Pyangnam and Seoul since the Korean armistice were held in 1972 and 1973 when a series of secret high level contacts between the two governments led to the establishment of a semi-official South-North Coordinating Committee (whose meetings ran for about a year before being unilaterally boycotted by the North). The next occasion when the two sides showed interest in talking to each other was in January this year, when President Park announced his Government's willingness to meet the North "at any time, and place and at any level," and North Korea responded with an elaborate set of proposals for the reduction of tensions and eventual reunification of the country. The Pyangnam blueprint, which was discussed at series of abortive meetings between the

CONTINUED ON NEXT PAGE

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مكثمن السفر

The economy

A change of direction

SOUTH KOREA may not quite deserve to be ranked as the most remarkable economic success story of the 1970s...

Korea's GNP was worth just over \$2bn in 1961, the year when Major-General (now President) Park Chung Hee seized power...

The simplest and best explanation for Korea's economic achievement is that growth was and is, a matter of survival...

halt; with the labour force growing at over three per cent per year South Korea will need to continue to deliver a high growth rate for many years...

The immediate cause of this rather worrying bout of inflation is thought to have been the massive increase in money supply which occurred in 1977...

The Government hopes to hold this year's increase in consumer prices to between 10 and 12 per cent and to keep the rate of increase in money supply down to a "steady" 25 per cent...

has powers to place direct restraints on the ex-factory price of 96 key items produced by major local manufacturers...

The aim is to keep the prices of such items steady at their new levels during most of the remainder of 1978 but this could turn out harder to achieve...

The Government hopes to hold this year's increase in consumer prices to between 10 and 12 per cent and to keep the rate of increase in money supply down to a "steady" 25 per cent...

cent during 1978, giving the public what the Government claims was an exaggerated impression of the overall inflationary problem...

A third major symptom of overheating has been a sharp change in conditions on the labour market. Korea regarded itself as a country with a chronic excess of labour until two or three years ago...

The Economic Planning Board says the Government has deliberately kept farm prices high in the past few years (in order to prevent too rapid a movement of the rural population into the cities)...

areas, however, are clearly not going to disappear overnight, even though Korea still has what most observers would regard as a large reservoir of workers in its overpopulated agricultural sector...

if the Government manages to solve the overheating problems—and there is no reason, given time, to doubt that the problems will be solved—the prospects for the Korean economy will become very much a matter of what happens in the outside world...

Labour shortages in some imported raw materials and

The Economic Planning Board, which masterminded the first phase of the country's industrial development, claims to be confident that the economy can generate enough savings to finance investment in heavy and advanced industries...

The Government's recipe for avoiding these dangers is to bring about a shift in the structure of industry from lighter and more labour-intensive sectors into capital-intensive or skill-intensive sectors...

Labour shortages in some imported raw materials and

bureaucrats.

The EPB's general air of confidence could mask a few doubts about the future. Not everyone agrees that Korea will make the transition to high technology industries as easily and rapidly as it switched from an agriculture-based to a light industry-based economy between 1965 and 1975.

Supervised

Hitherto Korea has had one of the "Free World's" most tightly supervised economies, with the Government initiating almost every major investment by the private sector and wielding enough power to ensure that companies which make such investments also make a profit.

The EPB's general air of confidence could mask a few doubts about the future. Not everyone agrees that Korea will make the transition to high technology industries as easily and rapidly as it switched from an agriculture-based to a light industry-based economy between 1965 and 1975.

Korea does not pretend to be unconcerned about protectionism. But the planners who opted for high growth and rapidly growing exports at the risk of becoming over-dependent on world trade could still turn out to have had sounder instincts than advocates of a more cautious strategy.

Charles Smith

Differences

CONTINUED FROM PREVIOUS PAGE

penitently left out of account a South Korean liberationist organisation which, apparently, operates from just north of the military demarcation line...

A broader interpretation of the motives for the northern peace move which is circulating on Seoul suggests that various external developments (and one major one, the South Korean economic boom) have prompted Pyongyang to start talking. According to this theory, North Korea could be seeking to forestall pressure from China for the normalisation of North-South relations...

The point being made here is not that North Korea does not wish to maintain military superiority, but that it may be reaching a point in its economic development where such a policy is no longer viable.

Southern analysts claim that the cumulative total of North Korean defence spending since the end of the Korean war is between two and two-and-a-half times that of the South.

attractive. One would be to launch an early attack on South Korea, taking advantage of the North's present military superiority. If such an attack were launched it appears that North Korean forces might well be able to occupy Seoul...

A second policy option would be to switch to a full-blown "peace strategy" in other words to make a real attempt to reduce tension in Korea and promote normalisation of contacts between the two halves of the country.

Recent speeches by North Korean leaders, including President Kim Il Sung's New Year address, have indicated a growing concern with economics and with the expansion foreign trade (not just with communist and Third World countries, but with all countries).

One nation which would certainly not wish to see North Korea aligning itself firmly with the Soviet Union is Japan, to whom Russia is a large and alarming neighbour, with an uncomfortable tendency to send warships and fighter aircraft into areas bordering on Japanese sea and air space.

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SOUTH KOREA IV

U.S. relations

Tensions have eased

"I THINK 1977-78 was as difficult a period between treaty allies as could be imagined." The speaker was Mr. Richard Holbrooke, U.S. Assistant Secretary of State for East Asian and Pacific Affairs...

ually all Koreans that it is only the presence of U.S. ground forces that has prevented North Korea from launching an invasion attempt during the past 10 years. The bulk of the U.S. forces are deployed in the 25 miles of hilly country that separate Seoul from the demilitarised zone (DMZ)...

criticism the U.S. President is bound to make of South Korea's human rights record. Just how Mr. Carter will raise the issue is uncertain, but it is accepted by both Korean and U.S. officials that the severe restrictions that are applied to freedom of speech and political activity under the Yushin Constitution and emergency decrees drawn up by President Park will be raised by Mr. Carter.

issue no longer raises the heat it did in 1973 and 1977. The demand by the U.S. Congress that Mr. Park and Mr. Kim appear before its committees in Washington, brought relations between the U.S. and Korea to a very low level, Seoul initially resisted persistent U.S. pressure before allowing Mr. Park to testify, with personal immunity from prosecution, Mr. Kim Dong Jo never made the trip to Washington, and retaliation the Congress voted \$56m of food aid.

Hope

Early in March, Prime Minister Choi Kyu Hah told the Americans that "it is our sincere hope that (you) will deal very prudently with the question of future troop withdrawal in view of the rapidly changing international situation and the additional military build up in North Korea so as not to disrupt the military balance on the Korean peninsula."

Mr. Kim's release was seen in Korea as being the result of continuing U.S. pressure and directed at U.S. opinion which was turning away from Korea in the aftermath of normalisation of U.S. relations with Peking. Mr. Kim himself has played on this and on the coming visit of Mr. Carter to keep up his criticism of Mr. Park, and has asked for the opportunity to meet Mr. Carter when he visits Seoul—a request that is unlikely to be granted.

However, the U.S. does see new openings for its prod in the medium to heavy industrial sector of Korea. Notable among these are aircraft, nuclear power plant and machine tools.

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Links with Japan

Trade friction increases

SOUTH KOREA and Japan are close partners in one sense and bitter rivals in another. Japan's stake in the fast growing Korean economy, through trade and direct investment, is far larger than that of any other nation and Korea is the second largest market for Japanese exports (absorbing goods to the value of 60 per cent of Japan's exports to the whole of the EEC). Add to this the fact that Korea has borrowed from Japan many of the successful development policies pursued over the past decade, and one can see that the two countries have done a good deal to contribute to each other's progress.

complexes. The Japanese investment in such ventures represents about 60 per cent of the total value of foreign investment in Korean industry and can be classified (in chronological terms) into three separate phases. Japanese companies first invested in Korea in the late 1960s and early 1970s with the straightforward objective of making use of cheap Korean labour to assemble imported components. From the early 1970s onwards Korea acquired the added attraction of being a manufacturing base from which Japanese companies could export to the United States without encountering the barriers which were being erected against goods directly shipped from Japan.

Korean joint ventures (some of which are obliged by their terms of operation to concentrate production in Japan). The Korean Government now strongly discourages local participants in Japanese joint ventures from committing themselves to Japanese procurement. Despite this one of the major synthetic fibre joint ventures, whose terms of operation do not oblige it to buy from Japan, still relies on Japanese raw materials for two-thirds of its needs, with the remaining one-third coming from West Germany.

than the overall percentage increase in Korean exports during the same period. They might well have grown faster in the view of Koreans, if Japan had not imposed import quotas for many types of restriction, on a variety of major export items including five varieties of fresh and dried fish, edible seaweed, (an important commodity in the Japanese market), leather, wear, baseball gloves, and processed silk. Japan does not maintain barriers against Korean textiles and electronic products of the kind which are now becoming general in Europe and the U.S. However, Korean manufacturers of many types of light industrial goods seem to have found the Japanese market fairly hard to penetrate, (with a few notable exceptions such as the tyre industry).

Today the introduction of direct barriers against Korean imports in the U.S. and Europe has undermined the second of these advantages, while Korean labour is a good deal less cheap than it was. There is still scope, however, for technology-based Japanese investments (i.e. projects where the Japanese partner acquires a stake in a Korean joint venture in return for providing know-how. It also appears that Japanese companies with Korean joint ventures in consumer electronics or other light industry sectors may have started using their Korean affiliates to fill part of the Japanese quotas for such goods in the U.S. or Europe (thereby earning "Japanese prices" for goods produced by Korean labour).

Because of Japan's investment presence and because geographical proximity gives it a strong competitive advantage in terms of freight rates and delivery times, Japanese goods have outpaced competing western products in the Korean market for the past decade. Japan supplied 44.5 per cent of Korea's imports in 1967 and still held a 40 per cent share in 1978, despite a conscious effort by Korea to diversify imports. The Japanese supplies of semi-processed industrial materials to feed its textile and other fast growing light industries. Japan's investments in Korea take the form of joint venture participation in about 340 separate enterprises, ranging from small-scale assembly operations to major petrochemical or heavy industrial

frictions centre around the imbalance on bilateral trade, which has grown continuously and rapidly since 1975 and which, last year, was almost double Korea's global trading deficit (\$3.35bn compared with an overall visible trade deficit of \$1.8bn). Japan's exports to Korea in 1978 grew by 52 per cent despite (or perhaps even because of) the fact that the yen was appreciating rapidly against the dollar during much of the year. There is evidence that Korean importers rushed to buy Japanese goods during the first half of 1978 in order to avoid having to pay the higher prices that were expected to result from revaluation. While Japan was achieving a spectacular increase in its sales to Korea, Korean exports to Japan rose by a much more modest 22 per cent (that is by a slower rate

reason why Japan accounted for only 38 per cent of new foreign investment in Korea during 1978 (in contrast with its 60 per cent share of cumulative foreign investments prior to the end of 1977). A series of other administrative devices which are being ostensibly directed against Japan nevertheless seem to have served in practice to hinder the expansion of Japanese business activity in Korea. One example is the Korea-Trade Transition Law, which obliges foreign trade companies to seek permission from the Korea

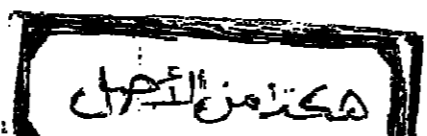
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مكتبة الشرق

Group system wins more exports

MANY COUNTRIES, including Mexico, Singapore, and reportedly even France, have copied or considered trying to copy the hitherto unique institution of the Japanese general trading company (sogo shosha in Japanese). The only country which seems to have succeeded is South Korea.

South Korea had 13 officially-registered GTCs in 1978 and has 12 today (one dropped out at the beginning of the year after failing to meet the conditions for GTC designation). The group of companies bearing this privileged and exclusive label sold 32 per cent of Korea's exports last year and probably will sell more than 40 per cent in 1979.

This is enough to prove that the GTCs represent a major element in the export-oriented South Korean economy. Whether they are also a helpful and positive element so far as the rest of the economy is concerned is still partly open to question.

South Korea's Ministry of Commerce and Industry, which is responsible for seeing that the country meets its export targets, came up with the idea of creating GTCs in 1973, after concluding that the far-flung branch networks of Japan's

sogo shosha had a lot to do with the global success of Japanese exports. The requirement for GTC status in the first year was that exports should exceed \$50m and only one company qualified (Samsung Company, the long-established trading arm of the Samsung group). In subsequent years requirements were stepped up considerably as more and more of Korea's leading business groups joined the queue to win GTC status.

The 1979 qualifications include: exports equivalent to at least 2 per cent of the national export figure for 1978 (this works out at about \$284m per company); sales of at least five different items to reach or exceed \$1m-worth per item; an international branch network of at least 20 offices; and public quotation of the company's shares on the Seoul Stock Exchange.

The 12 GTCs registered by the government this year include two companies which did not, in fact, meet all of these qualifications. One, the semi-official Koryo Trading Company, was given special treatment because it handles small orders for small and medium-sized business enterprises and therefore could not be expected to equal the turnover of competi-

tors dealing in bulk orders. A second company, Hanil Synthetic Fibre, scraped through because it was able to convince the authorities that its indirect exports of artificial fibres (through other South Korean companies) should be added to the figures for its direct exports recorded in the customs statistics.

In return for fulfilling the qualifications set by the government the GTCs receive various privileges. They can become members of any or all of the export associations organised within major South Korean industries (which means they can acquire a larger volume of export intelligence at a lower cost than non-GTCs are able to do). They can select their own "main" banks (unlike ordinary South Korean companies which have their main banks designated for them by the Bank of Korea).

Their overseas branches or subsidiaries may raise foreign currency loans without reference to the strict guidelines which apply to offshore borrowing by the rest of South Korean industry. And they pay lower fees than ordinary companies for the processing of export contracts required by South Korean law.

The list of privileges and immunities granted to GTCs does not provide the full explanation of why the system works and why Korean general trading companies can show a profit, despite the enormous overheads involved in running a big overseas branch network staffed by highly paid executives. All the GTCs (with the exception of Korea Trading Corporation) also happen to be members of large, diversified, industrial groupings. They start out therefore with the advantage of having a "tied" clientele for their overseas marketing activities.

Daewoo, the number one GTC in 1978, belongs to the same family of companies as a top electronics manufacturer, a leading heavy industry enterprise and one of the biggest textile concerns. A similar set of relationships is enjoyed by Samsung Company, Hyundai Corporation and the rest of the 12 GTCs.

On average, South Korean GTCs depend on group members for about 30 per cent of their export turnover while picking up the rest of their business from smaller, unattached clients. GTCs are encouraged by the Government to acquire subsidiaries and, therefore, are

tending to draw within their orbit more and more small and medium-sized concerns which find themselves in need of powerful friends. In a majority of cases GTCs also perform an overall planning and co-ordination function for the groups of which they are members.

The GTC is, therefore, in a very real sense the "core" of the group to which it belongs and the designation of GTC can be said to confer "group status" on the whole family of companies to which the company concerned is related. The central role accorded to the GTC fits in naturally with the emphasis on exports which pervades South Korea's entire economy. It provides a contrast, however, with the situation in Japan where a sogo shosha may, or may not, play a central role in the group to which it is related.

The Ministry of Commerce and Industry, which administers the GTC system, says that the companies concerned enjoy one other important benefit. They are attracting the brightest graduates from top universities, in contrast with the situation of a few years ago when the toughest competition was for jobs in the government.

The drawback of the GTC system, as seen by the companies which have qualified, is that government guidelines are too ambitious and make it too hard to register profits (although all 13 GTCs did, in fact, report profits for the year 1978).

In the view of ordinary South Korean trading concerns which have not managed, or tried, to win GTC status, the system is open to more radical objections. They argue that the creation of GTCs has served merely to concentrate the business of selling Korean exports into fewer hands—not to increase the overall amount of business faster than it would have increased anyway. Concentration of ownership and control could be dangerous, according to the system's critics, although it may appear harmless while the economy, and exports, are growing fast and everyone is becoming rapidly better off.

The Ministry of Commerce and Industry admits that critics of over-concentration could have a point, but says the GTCs have created an "atmosphere" of export promotion

Friction

CONTINUED FROM PREVIOUS PAGE

Traders' Association before they may open full branches in Korea. The KTA has yet to issue a single approval and appears unlikely to do so, with the result that foreign trading companies are effectively banned from carrying out import or export transactions in their own right on Korean territory. (They may act as "offer agents" for Korean importers but may not buy or sell goods in their own names.)

The reason why the KTA has not permitted the opening of foreign trading company branches is understood to be that it believes the major Japanese trading companies (Mitsui and Mitsubishi, etc.)

would represent formidable competitors for Korea's fledgling general trading companies (GTCs) if given a free hand. Korea probably has much less reason to fear that western trading concerns might take over the handling of its imports and exports.

Restraint

South Korea's banking regulations also serve as a restraint on Japanese business activity, although less drastically so than in the case of trading company branch approvals. The Bank of Korea has allowed four Japanese banks to open full

branches in Seoul, which means that Japanese banks have been given numerically equal treatment with British and French banks, despite the overwhelmingly larger stake of Japan in the Korean economy. The Japanese authorities have restricted Korean banks to the opening of the same number of branches in Tokyo (which means that the Korean banking presence in Japan is much smaller than that of major western European countries).

Korea seems to be aware that its policy of import liberalisation, introduced last year, could work in favour of Japan and against the interests of less

competitive exporters from the West. To minimise the advantage given to Japan the Government appears to have made a point of selecting items in which European industry is strong (eg biscuits) for inclusion in the initial rounds of liberalisation. Ultimately Korea may have to open its market to products in which Japan enjoys a strong global competitive edge (for example cars). The hope is, however, that when that time comes Korean industry will itself have grown strong enough to hold its own against Japanese competition.

C.S.

THE GENERAL TRADING COMPANIES

Table with columns: Company name and date of designation, Number of overseas branches, Exports in \$m (1977, 1978). Lists companies like Samsung, Daewoo, Ssangyong, etc.

Note: Yulsan Industrial Company did not apply for GTC designation in 1979.

GROUP INTERESTS

Table listing group interests for various companies: Samsung (Textiles, garments, etc.), Daewoo (Heavy industry, construction, etc.), Ssangyong (Cement, electronics, etc.), Hanil Synthetic Fibre (Synthetic fibres, wool spinning, etc.), Koryo Trading (100% owned by Korea Traders Association), Hyosung Moolan (Tyres, leather products, etc.), Bando Trading (Member of Lucky Group), Sunkyong (Textiles, electronics, etc.), Samwha (Footwear, raw silk, etc.), Kumho (Tyres, electronics, etc.), Hyundai (Construction, automobiles, etc.), Yulsan (Shipping, aluminium, etc.).

which has helped the country as a whole.

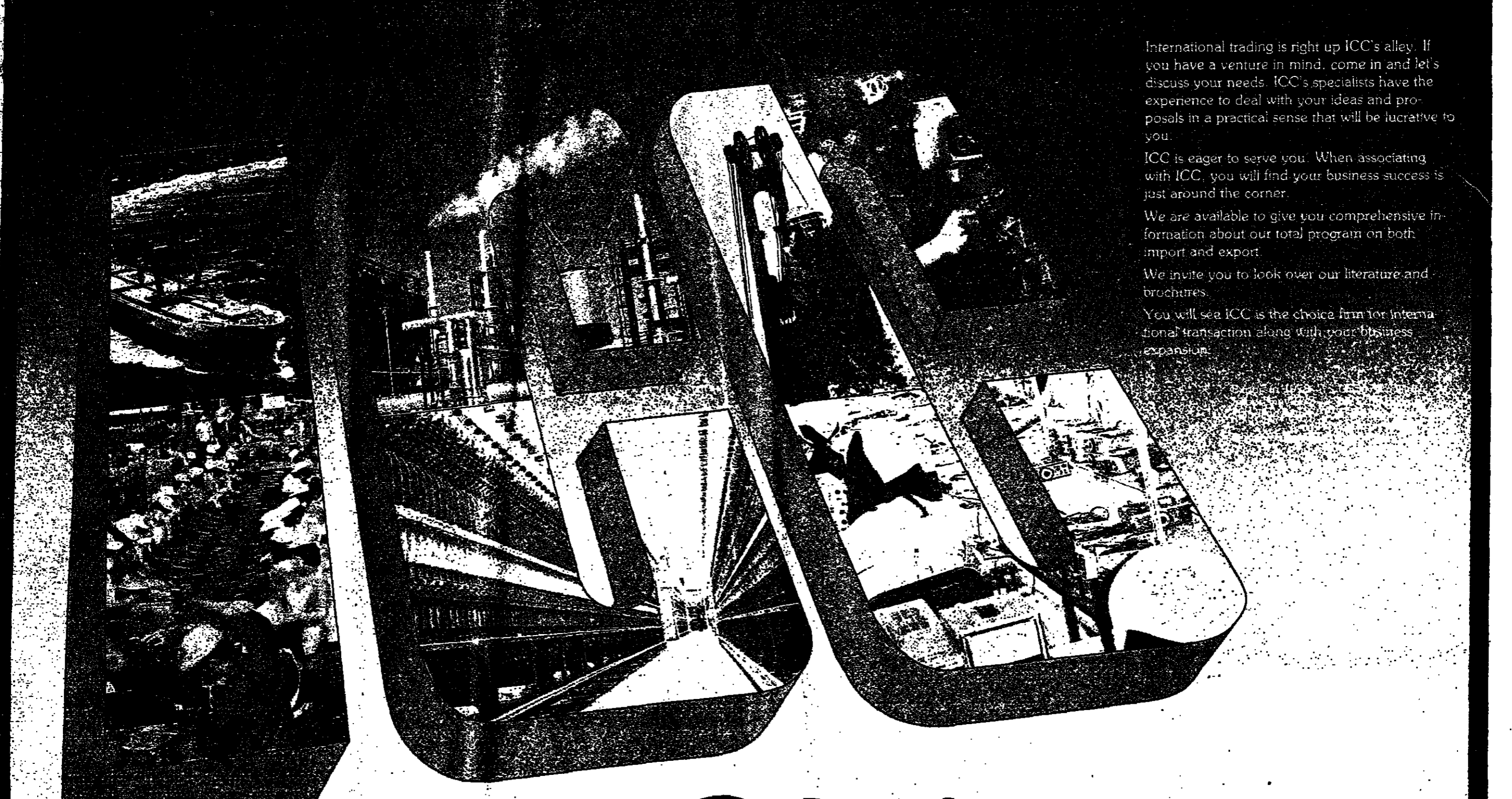
The Ministry has one other specific concern—to see the GTCs increase their role in the handling of imports. The 13 GTCs handled only 4 per cent of the nation's total imports in 1978 (compared with 32 per cent of its exports) and seem to have faced difficulties in

taking over import business from state corporations (in the case of cotton) or from industry itself (in the case of many other industrial raw materials).

GTCs may well play a leading role in the new phase of overseas resource development which will have to accompany the further growth of South Korean industry. Meanwhile,

successful or otherwise, they are at least free from the worry of foreign competition. A non-South Korean trading company requires approval from the (private sector) Korean Traders' Association to open a full operating branch in Seoul. So far not a single approval has been granted.

C.S.



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Banking

Competition and conformity

SOUTH KOREA'S banking is a curious mixture of competition and guided monopoly. On the one hand five nationwide commercial banks—all partly Government owned—vie with eight Government-owned specialised banks, ten private regional banks and about two dozen foreign banks for chronically-scarce funds.

The structure of South Korean banking gives a deceptive impression of diversity. At the top of this structure are the five commercial banks—the Commercial Bank of Korea, the Choheung Bank, Hanil Bank, Korea First Bank and the Bank of Seoul and Trust—which are all effectively state-run.

The Government is the largest shareholder in all except Commercial Bank of Korea, from which it transferred most of its equity stake to the Korean Traders Association in 1972.

All these banks have their head offices in Seoul and operate a network of nationwide branches. With similar historical backgrounds and with strong intervention by the government in their development, the five city banks have been brought to a close uniformity in their organisation. Each is about the same size in terms of capital, deposits and loans outstanding and the number of branch offices.

In addition, a strong uniformity prevails in the banks' management. Interest rates are agreed by the Bankers Association, in conformity with maximums set by the Bank of Korea, while dividend payments are also subject to government approval—and are almost uniform.

Even though the commercial banks seemingly compete with each other, in practice the high level of regulation imposed by the Bank of Korea has severely limited this competition.

but it may also set different ratios for different types of deposits. It is perhaps not surprising that a private study of the composition of the lending portfolios of the city banks showed that not only were they almost identical in terms of industries supported, but that changes that had taken place in this breakdown in the past five years were almost the same for all five banks.

Complementary to the city banks in function, but competitive for funds are the 10 regional banks. These privately-owned institutions have been set up during the past 10 years to help finance the development needs of provincial areas.

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Reserves

The city banks rely heavily on the rediscounting facilities of the Bank of Korea because of a chronic shortage of domestic savings in South Korea's banking system relative to the very heavy demand placed on the banks by industry for finance. The bank meets this demand for funds on highly-selective terms, giving priority to those areas (such as export industries) deemed to be nationally important rather than the most profitable.

Initially these specialised banks were operating in areas which the commercial banks had been unable to satisfy, and operated with government funds as part of their reserves. However, in recent years, the amounts borrowed from the Government have declined relatively, while other sources such as bank debentures, deposits and foreign borrowings have increased. As a result, the specialised banks have strengthened their ordinary banking business in competition with the commercial banks, and now capture a sizeable volume of ordinary deposits.

The remaining, and newest, section of the banking sector, are the branch offices of foreign banks operating in Seoul and to a limited extent in Pusan, the second largest city. At present there are 24 fully-operative foreign banks, while about 10 more have established representative offices, which is usually the preliminary step to seeking a full permit.

The foreign banks operate mainly in the foreign exchange loan market, with very little of their assets or liabilities in domestic currency. No more than 10 per cent of total deposits are held in Won, South Korea's unit of currency. The major source of funds is the overseas head offices of the banks. This accounts for about 60 per cent of operating funds, with the remainder coming in foreign exchange deposits from South Korean sources.

Even in their foreign exchange lending the foreign banks are strictly controlled. They are subject to the foreign exchange requirement programme established yearly by the government to regulate the use to which foreign funds are put. The programme channels foreign funds into areas which are deemed to have high priority in the development of the national economy.

Guidance

Therefore all areas of retail banking in South Korea are subject to a very large degree of government direction or "administrative guidance." The degree to which this is entrenched is best illustrated by the "primary banking system" which has been set up to supervise corporate lending for the past two years. The nominated purpose of the primary banking system is to improve the financial operations of major companies by exercising systematic control over all loans supplied to them. The target companies of the programme were put into two categories: those with total bank borrowings of more than Won 5.0bn and those which were members of a business group which had total group borrowings of more than Won 10bn and which themselves had borrowed more than Won 100m.

Each year the Bank of Korea designates those companies which are subject to the primary banking system and a primary bank is nominated for each such company, plus a limited number of secondary banks. After that only a primary bank or secondary bank of a company can provide loans to that company. The target company is compelled to have one primary and perhaps six secondary bank—including foreign banks. The primary bank must establish a ceiling on the working capital loans to a company, with this ceiling subject to Bank of Korea approval. In addition, a company must submit a written financial development programme to the primary bank every two years, which the bank must then oversee. The bank has the obligation to help a company improve its net worth by restraining dividends and approving any diversification moves or foreign borrowings.

Energy

SOUTH KOREA'S hopes of sustaining a 10 per cent annual growth rate up to the early 1980s depend on the solution of two external problems. One is to find enough markets for the goods that her industry will produce. The second is to ensure stable supplies of natural resources.

South Korea's energy situation could become easier if the country discovers oil resources on its own territory. The chances of this happening depend chiefly on what happens in the continental shelf area lying between South Korea and Japan where drilling for oil should start in the not too distant future following ratification last year by the Japanese Diet of an agreement providing joint exploration and exploitation of the so-called Block Seven area. Covered by the Korea-Japan agreement is known to contain oil-bearing strata and, according to some private estimates, could contain deposits of about 2bn barrels. Whether oil is actually present in the area, however, will not be known until the drilling programme begins. This could be before the end of 1979, depending on how quickly Japan and Korea agree on the choice of a single operating company to conduct exploration.

If the oil search in Block Seven yields disappointing results (or, alternatively, if it is indefinitely delayed by political or other problems) South Korea will be faced over the next few years with a rapid decline in the extent to which she can rely on domestic energy resources. Production of anthracite coal (93 per cent of the country's total energy resources in 1977) is expected to fall gradually over the next decade, as is consumption of firewood and charcoal for domestic heating (9 per cent of total energy consumption in 1977).

Hydro-electric power generation may rise substantially over the next few years since less than half of South Korea's hydro-electric potential has been developed so far. However, the total contribution of hydro-power to South Korea energy needs is barely 1 per cent, so that even the doubling of capacity would make little difference to the overall situation.

The rather gloomy prospects for domestic energy resource development point, in the view of the Korean Development Institute, to an increase in the nation's reliance on imported energy resources from about 55 per cent of total energy consumption in 1977 to about 90 per cent by 1991 (assuming that the Gross National Product and the amount of energy consumed both grow at about 10 per cent per year through the 1980s).

The search for oil

shortly for station number seven and eight. (These figures fall to add up because one nuclear plant project in the government's original programme was cancelled after numbers had been allotted to later plants.)

Nuclear

Heavy reliance on nuclear power will make it necessary for South Korea to sign long-term contracts for the supply of uranium instead of relying on "purchases of enriched uranium as it has done up to now. The Ministry of Energy says it is "working on" this matter but the first long-term contracts have yet to be announced.

Next to nuclear power, South Korea expects to rely on coal imports as the main alternative to oil. The Government is starting to think seriously about ways and means of ensuring stable and long-term supplies from producers such as Australia and the U.S. but has not yet managed to sign long-term contracts with any major supplier.

There is a wistful awareness that China would be a natural source of imported coal in political conditions permit. With or without China, South Korea hopes that coal imports will be meeting 17 per cent of its energy needs by 1986 and as much as 22 per cent by 1991.

Diversification of oil supplies became a highly-sensitive topic in Seoul in the aftermath of the Iran crisis and is still a matter on which officials at the Ministry of Energy would much rather say nothing at all. Iran was the source of roughly 10 per cent of South Korea's oil imports before its oil industry ground to a halt at the end of 1978.

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Trade

Exports given every encouragement

SOUTH KOREA was classified by a team of investigators from the U.S. House of Representatives Ways and Means Committee...

target, will show a 22 per cent increase this year over the 1978 level, which in turn was 27 per cent up on 1977. The annual growth rate will slow to 14 per cent in the early 1980s and 12 per cent in the later 1980s...

of cheap export credit (currently available at a basic rate of 9 per cent per year compared with the standard rate for commercial loans of around 22 per cent).

aims to increase the value-added content of restricted export items so as to earn more money within a given export volume.

challenge. Meeting the challenge will involve a massive import of technology (from Europe, the U.S. and Japan), as well as a shift of emphasis from short-term export financing...



The fish market at Pusan. Fish products are among a long list of Korean exports that are finding difficulty in overcoming restrictions in overseas markets.

Search

CONTINUED FROM PREVIOUS PAGE

have already been disbursed) but whether NIOC will be able to fulfil an undertaking to supply the refinery with oil...

producing country or to the international majors to cover the shortfall.

between local business groups and State-owned oil companies of producing countries.

whatever the fate of the NIOC-Ssangyong venture.

Korea's heavy dependence on crude oil imports as an energy source has caused problems for the Government's price stabilisation campaign...

Table titled 'SOUTH KOREA'S ENERGY NEEDS' showing units in thousand metric tons of anthracite equivalent for years 1975, 1981, 1986, and 1991. It lists domestic and imported energy supplies for hydroelectric, anthracite, wood and charcoal, oil, gas, coal, and nuclear.

These price effects have driven home the need to find some means of insulating the economy from fluctuations in world oil supplies...

The Government has begun to show strong interest in the development of trade relations with China, which is regarded as both a natural market for Korean products...

highly sensitive, is that too fast a removal of barriers could increase the flow of Japanese goods to Korea...

one time expected because of the huge backlog of domestic demand, while exports of cement and of certain food products had to be suspended altogether...

Proud

The Koreans are proud of the fact that they have acted "spontaneously" in starting to free their exports (unlike Japan, which had to be pushed into import liberalisation by external pressure).

Korean exports face one other threat to their continued growth apart from the refusal of foreign markets to admit Korean goods.

The Ministry of Commerce and Industry cites supply shortages as one reason why Korean exports started 1979 at rates well below the levels needed to reach the target for the year...

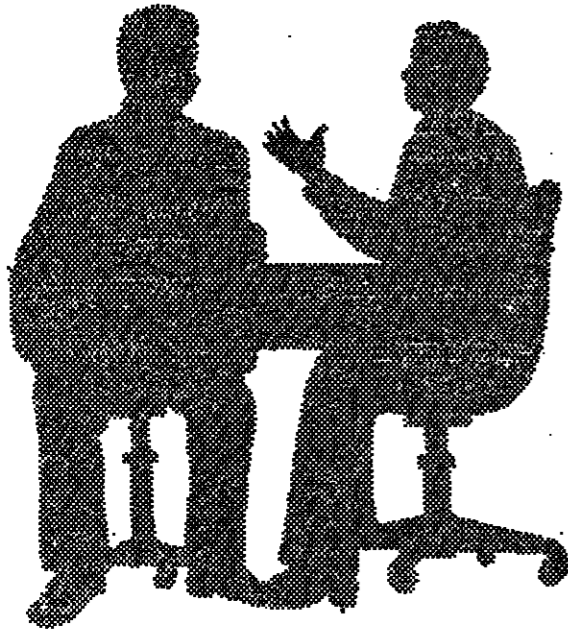
Table titled 'SOUTH KOREA'S FOREIGN TRADE, \$M.' showing exports, imports, and balance for years 1965-69 average, 1970-74 average, 1975, 1976, 1977, 1978, and 1979.

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Planning pays off

Agriculture

KOREAN FARMERS have come a long way from traditional despondency in recent years, and are now faced with the new challenge of adapting themselves to a fast-industrialising society.

The country is now self-sufficient in rice, the staple food, the income gap between agriculture and industry has been substantially narrowed, and rural living conditions, including the provision of electricity, have been greatly improved.

But to keep up with the growing demands for meat, milk and vegetables, and to cope with a continuing drain on the farm labour force as a result of the country's rapid industrialisation, the Government is actively promoting the transfer to a new concept of farming.

15.2 per cent increase in rice production was achieved, that year's total of 6m tons rice production moving from an average yield of 4.94 tons per hectare—the world's highest figure, topping even neighbouring Japan.

This success in boosting rice output is attributable in the main to the cultivation of high-yielding local strains—tongil, yushin and miryang. The new varieties covered 70 per cent of the paddy fields last year, and this year, is likely to be 76 per cent.

Improved irrigation has also contributed to the increased rice production, as has better use of fertilisers and the widespread use of agricultural chemicals.

Another major problem facing Korean agriculture is the growing shortage of labour due to the continued migration to the cities.

The rural population, which accounted for 55 per cent of the national total in 1975, was down to 31 per cent in 1978, and is forecast to decline further to 20 per cent by 1991.

Another important factor behind the increase in rice output has been the Government's price support policy, which is responsible for purchasing substantial amount of rice and barley from farmers upon harvest every year at higher prices than it sells them to the consumer.

form of low-interest loans to farmers in buying farm machinery.

But given the small size of unit farms, less than a hectare per household, and the irregular shapes of paddy fields (only 18 per cent of which have been rearranged into regular patterns under a Government programme), mechanisation is still far off.

Another new direction for Government's agricultural policy is the promotion of the livestock industry to meet the fast-rising demand for meat and dairy products. Last year, for the first time, beef and mutton had to be imported, mostly from

Australia. This year, meat imports are expected to increase to 72,000 tons, costing about 140m won.

The Government is extending loans and tax benefits to encourage livestock and dairy farming. There are a number of constraints, including vast amounts of investment needed to develop pasture land on the hillsides which abound in Korea and the need to import most of the required feeds.

One unique feature of Korean rural progress is Saemaul Undong, the new community movement, launched in 1970 at the initiative of President Park. An integrated rural development campaign with the concepts of "diligence, self-help and co-operation," it has been

instrumental in galvanising the farmers into improving their living environment and productivity, then raising their incomes. Elected village committees select projects, which are implemented chiefly by voluntary labour with some Government assistance in the form of cash and building materials.

Saemaul Undong started with such simple projects as improvements to roofs and drains; moved on to infrastructure projects, including farm roads, small bridges, electricity and piped water; and then to income supplement projects such as joint livestock raising and sericulture. Its latest project is intervillage co-operation for regional development.

The movement has now extended to urban neighbourhoods and factory workers to mobilise the entire nation in self-help projects at the local level.

Samuel Kim

Foreign investment

The rush slows down

FOREIGN DIRECT investment, which was once attracted into South Korea by the low-cost labour supply, still continues to flow in now chiefly because of the rapidly growing local consumer market. For the third consecutive year foreign investment arrived at an annual rate of around \$100m in 1978. This year's Government projection is for another \$100m.

Since the Government began encouraging foreigners to make equity investments in 1962, when a series of five-year economic plans began, a total of just over \$1bn has been approved in 891 cases; \$873m had actually arrived by the end of 1978.

When the Government decided to open the door to foreign investment as a means of financing its ambitious economic development plans and introducing technical know-how, the major attraction Korea could offer was a cheap labour market. There was an abundance of literate, hard-working, easily trainable and dextrous labour available at \$30 a month starting wage.

After South Korea normalised relations with neighbouring Japan, its former colonial overlord, in 1965, Japanese investors began a sudden rush of investments into the country. Most of the Japanese investments were for producing labour-intensive goods such as textiles for export to Japan and other countries.

market, which we found is large, growing and buoyant," explained Christopher J. Ball, president of Spirax Sarco Korea.

Both Mr. Wyatt and Mr. Ball said that labour supply is no longer so cheap. A machine operator should be getting the equivalent of \$350 a month, compared with a corresponding equivalent of \$250-\$300 in Britain, while the salary for middle management people, \$150 to \$800 a month including bonus and other fringe benefits, is about the same as in Britain.

Mr. Kang said the latest trend is investment in food processing, and in heavy industries such as chemicals.

This year CIP International of the U.S. invested in a joint venture to produce snacks and instant noodles, Nestle of Switzerland in a joint project to produce baby foods and high protein foods, and the Lotte confectionery group of Japan in a milk and meat processing venture.

Brown Boveri of Switzerland is known to be negotiating with Seoul's Daewoo group for a joint venture to manufacture power plant facilities, and Babcock of West Germany for a project to produce power plant boilers. Volkswagen of West Germany is reported to be seeking a Korean partner for production of small cars. Imperial Chemical Industries and Dunlop of Britain are also

Samuel Kim

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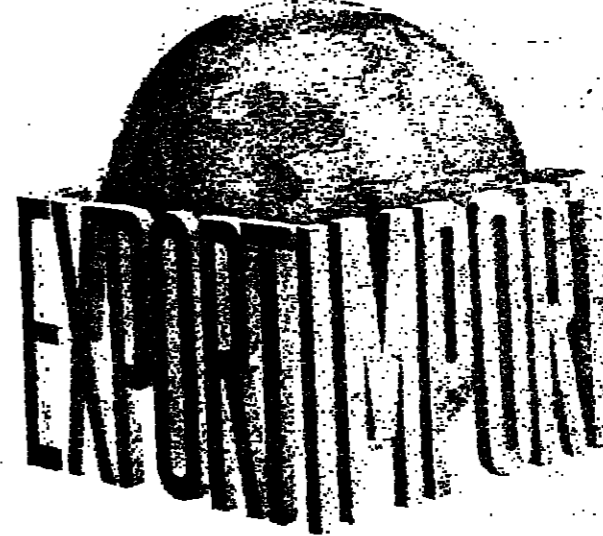
The tax benefits, which apply to both corporate and personal incomes taxes, customs duty, property tax and acquisition tax, were attractive enough to induce investments by Americans. Their money went mainly into the labour-intensive electronics assembly plants and such chemical lines as fertilizer manufacturing and oil refining.

In the league table of countries Japan came first with 89 per cent of all foreign investment approvals by the Korean Government in terms of cash, totalling \$384m in 665 operations. The U.S. followed with \$194m in 116 projects which accounted for 19.2 per cent.

Among the Europeans, the Dutch have the largest investments in Korea—\$73m covering four cases. They include a joint venture petrochemical project by Dow Chemicals of the Netherlands, total \$19m covering 18 cases, French \$11.3m (five cases), and Swiss \$12m (seven).

Investments by British companies amount to \$11.6m in five projects. They include \$5.8m by Hill Samuel for a 50 per cent equity stake in a merchant bank; \$4.1m by Lazard Brothers, also for 50 per cent interest in another merchant bank; \$1,050,000 by Lucas CAV for 70 per cent ownership of a plant manufacturing nozzles for diesel engines; \$800,000 by Spirax Sarco of Cheltenham, Gloucestershire, for 60 per cent share in a steam controller manufacturing plant; \$208,000 by Fessco, a Minsep of the Midlands in a factory producing chemicals for foundry and steelmaking.

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SOUTH KOREA IX

סקאן התחיל

On the last four pages of this Survey IAN HARGREAVES, who has recently visited South Korea's major industries, outlines the country's industrial strategy and looks in greater depth at individual sectors.

A second industrial revolution

SOUTH KOREA is now in the process of bringing about its second industrial revolution within 20 years. The first revolution involved dragging a war-ravaged country, lacking raw materials and with an economy based on primitive agriculture, to a semi-industrialised condition. That meant using cheap labour to develop light industries, notably textiles, and the simpler ends of the consumer electronics and metal fabrication industries.

Hardly had the country adapted to its success in selling goods such as textiles, clothes and televisions before its economic planners started to argue that Korea must rapidly start to reduce its dependence upon the light labour-intensive industries upon which its success was based. There are three main reasons for this decision: the awareness that Korean labour is rapidly pricing itself out of the cheap

assembly market (wages costs rose by over 30 per cent in both 1977 and 1978); the growing protectionist restrictions in advanced countries against high volume and low added value goods; and the feeling that competition from other developing countries will be less keen in more technology-intensive areas. The strategy is for the heavy and chemical industries to account for 65 per cent of manufacturing output by 1991, compared with 48 per cent last year, and for light industries to decline from 52 per cent to 35 per cent.

Some of the implications of this policy are already apparent: for example, the emergence of Korea's motor and shipbuilding industries; but many features of the strategy are far less well defined and less easily described. What Korean planners call the "machinery industry," the subject of four promotion plans in the last eight years, is only now moving from the planning to the operational stage. The heart of the development is the Changwon integrated machinery complex near Busan, where the dust is still settling on the 51 plants already completed, but where another 130 factories remain to be built. These factories have already started to turn out machine tools, construction equipment, boilers, nuclear power station components, railway rolling stock, motor components, transformers, turbines, cranes, bearings; indeed, anything and everything in heavy industrial production, involving a growing number of technology-intensive agreements and, less frequently, joint ventures with advanced countries. Last year the machinery industry entered into 104 cases of technological inducement out of a total of 255 in Korea (there were 42 electrical agreements and 38 petrochemical—the other key

developing areas). In spite of the Koreans' urgent desire to strengthen their links with Europe at the expense of Japan, well over half the technology deals were with Japan and another 49 with the U.S. The Koreans want to make this switch partly to reduce their trade deficit with Japan but also to improve relations with Europe on the protectionist front and because some companies feel the Japanese have sold them outdated technology of limited value in export markets. So far the development of the machinery sector is very uneven. But it is already clear that it will be dominated by seven companies, which by 1981 are expected to have aggregate sales of \$6.1bn in this field and account for 60 per cent of the industry's output. They are Hyundai Heavy Industries, Samsung, Daehan, Kangwon, and Hysung.

Impressive progress has already been made in areas such as railway rolling stock, where Hyundai has recently joined Daewoo in contention for both substantial domestic orders and exports, which the Korea Development Institute expects to reach \$100m by 1991. Hyundai is reported to be close to a significant export deal with Greece, and at home, the industry is now almost self-sufficient, with the help of foreign technology. Output of heavy electrical machinery (generators, transformers, motors, etc.) reached \$222m last year, still significantly below the level of a small industry, but twice as large as the year before. More important from the Korean point of view, exports and imports were roughly in balance; in other words, in the heavy electrical sector Korea's industry is in a position to meet domestic needs.

In some other areas, this is far from the case. For machine tools, the country relied on imports for over 65 per cent of its needs last year, and outside the simple lathe sector the dependence on foreign goods was even higher. In chemical and construction machinery, domestic needs have grown so fast that the level of self-sufficiency has actually slipped back from 37 per cent and 9.5 per cent in 1974 to 17.8 per cent and 7.3 per cent last year. On the other hand, Korea already has a healthy surplus in the agricultural machinery trade. The Government's goal is to achieve an overall level of self-sufficiency of 70 per cent by 1981 in preparation for a major export assault in the fifth five-year plan starting in 1982. It is interesting in this context to note the general policy of Korean industrialists, even where their export base is tiny, in spreading their products into as many markets as possible in order to gain maximum experience and to prepare distribution and marketing arrangements. Hyundai Motor is not untypical in exporting to more than 40 countries.

Imports

KOREAN INDUSTRY: MAIN GOALS FOR 1986 (TOTAL EXPORTS \$50bn)

Table with 4 columns: Sector, Target, Intended world ranking, and Production. Rows include Steel, Shipbuilding, Motor industry, Petrochemicals, Electronics, Textiles, Ceramics, Machinery, Cement, and Non-ferrous metals.

MACHINERY INDUSTRY: IMPORTS AND EXPORTS IN 1978 (\$m)

Table with 4 columns: Sector, Production, Imports, and Exports. Rows include General machinery, Electrical machinery, Transport equipment, and Precision machinery.

Figures include shipbuilding and electronic products. Source: Korea Society for the Advancement of the Machine Industry.

Textiles

Still a major force

SOUTH KOREA'S industrial leaders have a habit of referring to their textiles industry as if it were in a state of decline—the glory of a former light industrial age soon to be forgotten in the present generation's move into heavier and more technology-intensive sectors. This is misleading. In 1978, textiles exports accounted for 31 per cent of the country's total sales of goods abroad, at \$3.98bn, the industry's export sales remained Korea's biggest foreign exchange earner and the key provider of capital for diversification into heavy capital-intensive industry. It also employed 20 per cent of the workforce. As the table shows, the Government expects the industry to continue growing, doubling the value of its exports in real terms between 1978 and 1981. The industry's own assessment, as disclosed by the Korean Federation of Textiles Associations, is to export goods valued at \$6.5bn (at current prices) in 1981 and \$10.5bn in 1986. In that year, if the Government's six-year plan unfolds as intended, Korea will be exporting \$50bn-worth of goods. So the textiles share will be down to 20 per cent of that total but, according to the association, the volume of textile exports will still have lifted Korea from sixth place in the world industry rankings to number one with 10 per cent of world textile exports. Some decline. The reason for the sense of decline, which is strongly felt

in the important long-range study of South Korea's economy in 1982 published last year by the Korea Development Institute, is the feeling that with wage-cost inflation rumbling in excess of 30 per cent a year, Korea is soon going to be outperformed in labour-intensive industries such as textiles. In particular, it is felt, Republic of China, whose textile industry costs are thought in Korea to be at least 65 per cent lower than its own, will emerge as an industry leader, initially in natural fibre products and then in synthetics. Another reason for expecting poorer performance is the very great anxiety, felt in Korea, especially in the textiles and electronics industries, that the growth of protectionism in Western markets. The EEC is limiting Korean textile imports to a 6 per cent annual growth rate and the U.S. to 6.5 per cent. The industry says it could comfortably expand at double this rate in these markets if permitted. But the South Koreans are realistic. They do not believe the restrictions will be eased, although they argue keenly (more in electronics and motor cars than textiles) that they should not be punished for the sins of Japan. Their response to the restrictions is to move into industries where restrictions do not exist. That said, the Korean textile manufacturers have carefully laid plans for continued growth in spite of protectionism and in

spite of rising wage costs. That strategy involves switching to higher quality and higher added value goods in restricted markets and pushing more volume into unprotected markets. Last year, quota-area countries took 49 per cent of Korea's textile exports (\$985m to the U.S. and \$735m to the EEC) and of the \$2,011m-worth of goods sent to unrestricted markets, Japan accounted for \$1,040m. That, the South Koreans believe, indicates that plenty of room remains in other developing-country markets. The Middle East is of growing importance. This year, garment manufacture will account for 62 per cent of exports, in 1986 for only 50 per cent, with fabrics taking 37 per cent and yarns 13 per cent. Fabrics then, and principally synthetic fabrics, represent the real growth sector. The preference for a future emphasis on chemical than natural fibres is also based on the relative economics of the Korean industry compared with other developing countries. All of Korea's wool and cotton are imported, whereas Korea's growing chemical industry (described elsewhere in this survey) means that textiles companies will not be in the position for much longer where the chemical fibre manufacturers rely on foreign suppliers for 70 per cent of their AM monomer, 60 per cent of front caprolactam and all of their TPA. South Korea's industrial planners feel certain that the days when the country's industrial economy could work merely by rapidly processing for re-export the raw materials of others are rapidly vanishing. The synthetics sector of the Korean textiles industry is also its most modern. In the worsted/cotton companies, 30,600 spindles (almost 1 per cent of the total) are over 20

years old, which is twice the accepted level of durability. In 1976, 51 per cent of spindles and 35 per cent of looms in the cotton industry were over this 10-year limit and the situation is thought to have improved little since then. Cheil Wool Textile, part of the Samsung group, says the average age of its spindles is seven-eight years and the company is now engaged in a five-year modernisation programme. Cheil, biggest of the 27 wool textile companies in Korea, with about a 45 per cent market share, provides an interesting counter trend to the general strategy of the industry's move away from garment production. Cheil is still expanding fabric production, but is also starting to make garments with the aim of this sector accounting for 40 per cent of its \$400m projected sales in 1988. Mr. S. B. Lee, the company's president, admits that the requirement for an extra 35,000 workers, mainly women, in the next five years is rather daunting in the current Korean labour market. The company's reasoning is that, tied to restricted U.S. and European markets for 60 per cent of its woolen and worsted business, garment manufacture, with the right attention to fashion, offers high added value opportunities. One market which does look good for the South Korean manufacturers is their own. Rapidly rising real incomes mean that per capita consumption of textiles in Korea, which has risen 13 per cent in the last two years, is expected to double again in the next eight—to 18.7 kilograms per head in 1986. This is equivalent to the level of UK textiles consumption in 1973. The result is that by 1986, 43.5 per cent of the South Korean industry's output should be sold in its home market, compared with 33.4 per cent this year.

PRODUCTION AND CAPACITY OF MAIN TEXTILE PRODUCTS

Table with 7 columns: Product, 1976, 1977, 1978, 1981, 1986, 1991. Rows include Chemical fibre, Annual production, Capacity, Self-sufficiency ratio, Synthetic textile, Nylon F, Polyester F and SF, and Acrylic SF.

KOREAN TEXTILE EXPORTS 1976-1991

Table with 7 columns: 1976, 1977, 1978, 1981, 1986, 1991. Rows include Natural fibre, Man-made fibre, All fibres, Total value of exports, and Share of product category in total exports.

MOODY INTERNATIONAL Quality assurance Project management, procurement, inspection and test, expediting. Companies ordering goods manufactured in Korea use Moody Engineering for quality assurance audits, vendor capability reviews and inspection and expediting programmes to save substantial costs, time and frustration.

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SOUTH KOREA X

Steel

Public ownership debate

PUBLIC DISAGREEMENT between businessmen and the Government is still rare in South Korea: a country characterised by a remarkably high degree of unanimity about national economic and social objectives.

steel industry trend for public ownership of what is a highly capital-intensive industry, besides reiterating its confidence in the ability and experience of POSCO, which even the rival conglomerates agree produces steel of acceptable quality.

In its plan for the second mill, the Government has responded to this criticism by firmly committing itself to an enlarged target of 1.2m tonnes a year capacity for the facility, which is virtually certain to be built at Asan Bay on the West coast of the peninsula.

has not deterred the big companies from moving forward. ICC, which is one of Korea's 12 general trading companies, last year took over Union Steel, whose 0.7m tonnes of crude steel output last year made it the largest private sector steel-maker.

domestic demand (especially for steel plate, coils for re-rolling and for special alloy steels) while having disposable surpluses of other products.

year when POSCO brings on stream an 80,000 tonnes a year silicon steel manufacturing plant.

example, was \$300 a tonne, although recent improvements in the world steel market have brought domestic and international prices closer together.

Dependence In the field of non-ferrous metals, South Korea's present goal is one of self-sufficiency, reflecting, as with steel, a heavy dependence upon imported raw materials.

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Experience These groups probably retain the hope that if they can acquire substantial experience of steel-making they may be in the running when the Government comes to authorise a third coastal integrated steel complex.

Some steel products, such as girders, steel rails and sheet piling, are not currently produced in Korea at all and so will continue to be imported for the foreseeable future.

The Government says that more rapid expansion is impossible because of shortages of skilled labour and difficulties of raising the vast capital sums required.

When POSCO does export, however, its prices are highly competitive—10 per cent below those of Japan. This reflects lower wage costs and a high level of productivity, which POSCO now puts at 437 tonnes per man year.

When POSCO does export, however, its prices are highly competitive—10 per cent below those of Japan. This reflects lower wage costs and a high level of productivity.

Motors

Demand takes off

This increase in private sector steelmaking, which mainly uses electric arc technology and turns out reinforcing bar, pipes and galvanised products, does have the effect of introducing greater flexibility into South Korea's steel strategy in that the private companies may well be able, if their plants are profitable, to extend production facilities beyond existing targets.

South Korea's brushes with steel protectionism, with the EEC, the U.S. and Australia, have also cooled the ardour for

reduce import tariffs to non-peak levels of the import of cars under 900 cc in order to apply pressure to the domestic manufacturer.

Mr. Chung dismisses such a possibility as nonsense. "It would simply flood the market with Japanese cars and that's the last thing the Government wants," he says.

see it, too, emerging as an independent car manufacturer. If the Korean motor industry is to meet its Government target of exporting 1.4m units in 1986 (more than 50 times the 1978 level) there will clearly have to be rapid expansion beyond that already publicly indicated by Hyundai.

KOREAN MOTOR INDUSTRY PRODUCTION AND EXPORTS 1967-1978 (UNITS). Table with columns for Cars, Buses, Trucks, and Motor vehicles, showing production and exports in total and net.

MR. CHUNG SE YUNG, president of the Hyundai Motor Company, received a very loud cheer earlier this year when he told a mass assembly of his 10,000 production workers: "It will not be long before you guys too own automobiles."

Two years ago that proposition would have sounded absurd. Then, with GNP per capita of \$752 and taxation policies designed to curtail what little domestic demand existed, Korea's motor industry had little prospect of a home base.

Hyundai is in the process of extending its plant at Ulsan on the south coast of the Korean peninsula to raise capacity to 250,000 units a year by 1981. Of these 200,000 units are Pories; 20,000 Mark IV Cortinas and Granada kits and 30,000 truck and bus.

But the leap now being planned is for a new plant to be constructed inland thus rejecting the British and U.S. advice which persuaded Hyundai to go coastal with its Ulsan plant, which has since suffered from subsidence, having been built on reclaimed rice paddy.

It is also certain that the investment will be heavy at a time when Hyundai must be relying heavily on the profits made from its assembly of knocked down kits of Ford models to offset losses on exported Pories. Under an agreement with Government, Hyundai can import one Granada kit for every five Pories exported.

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Bonds Those who want to register a car in Seoul also have to buy bonds to help finance the construction of future stages of the capital's underground railway and they can shortly expect to face a Singapore-style zoning system which will impose heavy fees for anyone using a car in the peak hour with less than a full load of passengers.

One option which Mr. Chung has resisted, despite Government pressure, is to go into the small car market. It was even rumoured at one point that Government officials, following the administration's very active energy conservation policy, were preparing to liberalise (ie

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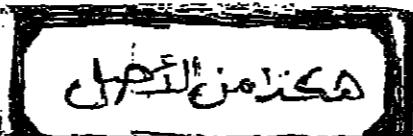
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KOREA'S MAJOR MOTOR MANUFACTURERS. Table with columns: Company, Ownership, Total investment (US\$), Production capacity (units per year), (End 1978) Models.



SOUTH KOREA XI

Electronics

A challenge to Japan

NOWHERE IN South Korean industry is the sense of treading in Japanese footsteps more strongly felt than in the electronics business.

The Government is the opening of what they believe will be flooded in the domestic colour television market.

Dr. Wan Hee Kim, recently appointed President of the Electronic Industries Association of Korea and one of the men closely involved in the original Government planning of the electronics offensive, is bitter about what he believes to be the major role played by Japanese offshore manufacturers in the U.S. in blocking Korean products.

In Europe too, I'm looking for offers, says Dr. Y. S. Chang, a key member of the Samsung managerial think tank and currently closely involved with electronics strategy.

The Korean industry will be busy filling the gap in low-price audio left behind by the Japanese. That means improving quality automation, developing in-house manufacture of key components—some of which have been in maddeningly short supply in Korea this year—and stepping up spending on research and development.

Table with 5 columns: Company Name, Main products, Output 1978 (\$m), Exports 1978 (\$m), Employees, Market share %.

Table with 5 columns: Category, % of total, 1978, 1979, 1981, 1986 current prices.

Many in the industry, however, believe that it is too much to expect the electronics companies to be contributing 20 per cent of total Korean exports by 1986.

The quota blow to colour sales, which has reduced production on this year to well under half capacity, has also come just when the industry is breaking through to a high level of localised production by manufacturing its own colour tubes.

Likewise Samsung has had detailed talks with European interests, most productively with Germany and France.

Men like Dr. Kim and Government officials are confident that the reliance on foreign parts will rapidly decrease in the next five years as the big Korean companies scale up production of audio products in the same way as has happened with television output in the past three years.

Construction

Overseas contracts soar

LAST YEAR, South Korean construction firms provided their country with an embarrassment of riches as the pace of their expansion overseas continued to outstrip all forecasts.

Mr. C. W. Choi, chairman of the Samwhan building company and also president of the Construction Association of Korea, says there must now be a big campaign by the Koreans to identify themselves as "development partners" rather than competitors with both the suppliers of high technology and the countries where the projects are taking shape.

For a company like Hyundai Construction, the links with the Hyundai group's heavy industry, engineering and steel fabrication activities are already strong and well used.

Whether the rest of the world construction industry should worry and refuse to cooperate with the Korean strategy, or whether it should see the availability of still relatively low-cost Korean partners with intensive if brief experience of some very big projects, is clearly going to be a matter of judgment in the advanced countries.

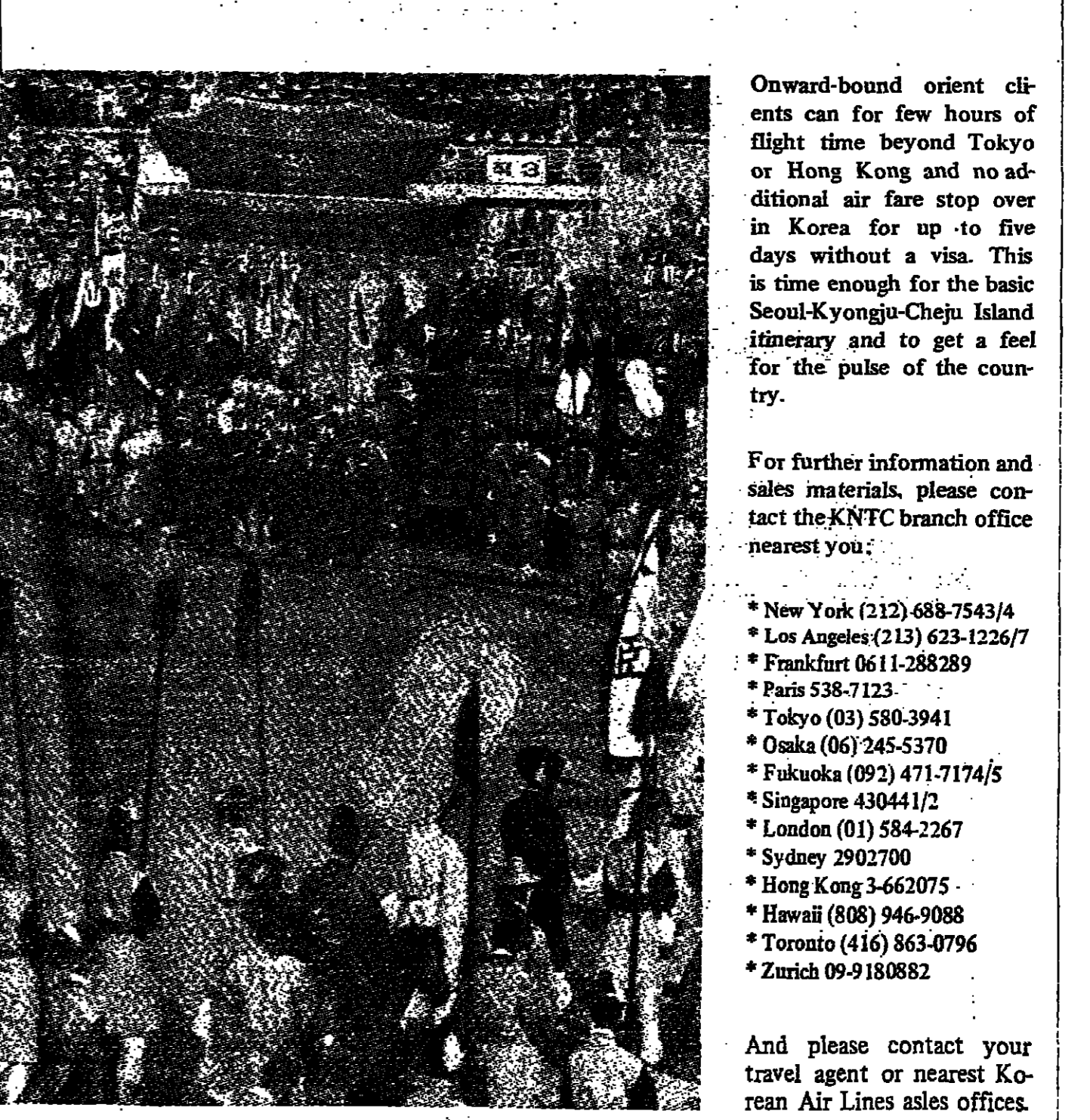
Although these limits have now been officially relaxed, partly in recognition of the liquidity difficulties they caused within some of Korea's biggest industrial enterprises—the spirit of the policy persists.

There is no doubt, also, that these major construction companies are destined to play a much more central role in the growth of the Korean industrial economy in general by providing, in addition to their conventional civil engineering skills, the assembly component for Korea's ambitious programme of plant exports.

As Korean costs continue to rise sharply, clearly the competitive edge is harder to find, and the Koreans accept that after four very good years in the Middle East, they will increasingly have to sell on quality.

There is no doubt, also, that the Koreans will be looking increasingly to non-Middle East markets. At present, 10 per cent of the industry's overseas business is in the Far East, 4.5 per cent in Africa and 7.5 per cent in South America.

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COMPANIES and Markets INTNL. COMPANIES and FINANCE PENDING DIVIDENDS RECENT ISSUES

Ahold seeking further acquisitions overseas

BY CHARLES BATCHELOR IN AMSTERDAM

AHOLD, HOLLAND'S largest supermarket chain, expects it will be difficult to maintain net profit margins in 1979. After a period of strong expansion the Dutch retail trade must now accept more moderate rates of growth and more effort will go into improving internal management, logistics and marketing.

Texaco sets Lifo rules on foreign inventories

By David Lascelles in New York

TEXACO, the third largest U.S. oil company, has extended last in first out (Lifo) accounting to its foreign inventories since the beginning of this year, the company announced at the end of last week.

For the convenience of readers the dates when some of the more important company dividend statements may be expected in the next few weeks are given in the following table.

Table with columns: Company Name, Dividend Date, Dividend Amount, Dividend Yield, etc. Includes companies like Associated Biscuits, Astra, Bebock and Wilco, Bank of Scotland, etc.

EQUITIES

Table of stock prices for various equities including Appl. Computer, Hunting Assoc. Dordt, Bedgwick F. New 10p.

FIXED INTEREST STOCKS

Table of fixed interest stocks including Chesapeake Power & Light, Cleveland County, etc.

'RIGHTS' OFFERS

Table of rights offers including Brammer (H.), Bureau Dean, Cement Roadstone, etc.

Sluggish year for Advertiser Newspapers

By Our Sydney Correspondent

ADVERTISER Newspapers, the media printing and packaging group, was held by its media activities to a profit increase in 1978 of only 6.9 per cent. Earnings for the year to December 31 rose from A\$89.5m to a record A\$95.5m (U.S.\$107.7m).

Scrip issue from BHP

BY JAMES FORTH IN SYDNEY

AUSTRALIA'S largest company Broken Hill Proprietary (BHP), has announced a 32 per cent rise in net profit to F1 48.8m (S24.3m) on sales 19 per cent higher at F1 494m (S247.7m).

Cont. American has Canada bid

NEW YORK — Imperial Life Assurance of Canada plans to make a tender offer for Continental American Life Insurance for \$33 a share cash.

The proposed offer would be conditioned upon Imperial receiving at least 404,027 shares of Continental American, 40.1 per cent of the total shares outstanding or issuable, subject to stock options, it said.

BASE LENDING RATES

Table of base lending rates for various banks including A.B.N. Bank, Allied Irish Bank, Amro Bank, etc.

CURRENCIES, MONEY and GOLD Sterling and the EMS

BY COLIN MILLHAM

Sterling, the only Common Market currency outside the European Monetary System, was the cause of more problems last week than any of the currencies actually embraced by the system.

Avco profits move up

BY OUR SYDNEY CORRESPONDENT

AVCO FINANCIAL Services, one of Australia's leading shop front financiers, lifted its profit by 9 per cent from A\$10.3m to A\$11.2m (U.S.\$12.5m) in the year to November 30.

CORAL INDEX: Close 531.536

I.G. Index Limited 01-351 3466. 3 months Copper 1022.1-1030.4 29 Lamont Road, London, SW10 0RS.

INSURANCE BASE RATES

Table of insurance base rates for Property Growth (12%), Vanburgh Guaranteed (10.50%), etc.

CURRENCY RATES

Table of currency rates for Sterling, U.S. dollar, Canadian dollar, etc.

GOLD

Table of gold prices for Gold Bullion (325 ounce), Gold Coins, etc.

OTHER MARKETS

Table of other market rates for Argentina Peso, Australia Dollar, Brazil Cruzeiro, etc.

THE DOLLAR SPOT AND FORWARD

Table of dollar spot and forward rates for U.K., Ireland, Canada, etc.

THE POUND SPOT AND FORWARD

Table of pound spot and forward rates for U.S., Canada, Belgium, etc.

EXCHANGE CROSS RATES

Table of exchange cross rates for Pound Sterling, U.S. Dollar, Deutschmark, etc.

MONEY RATES

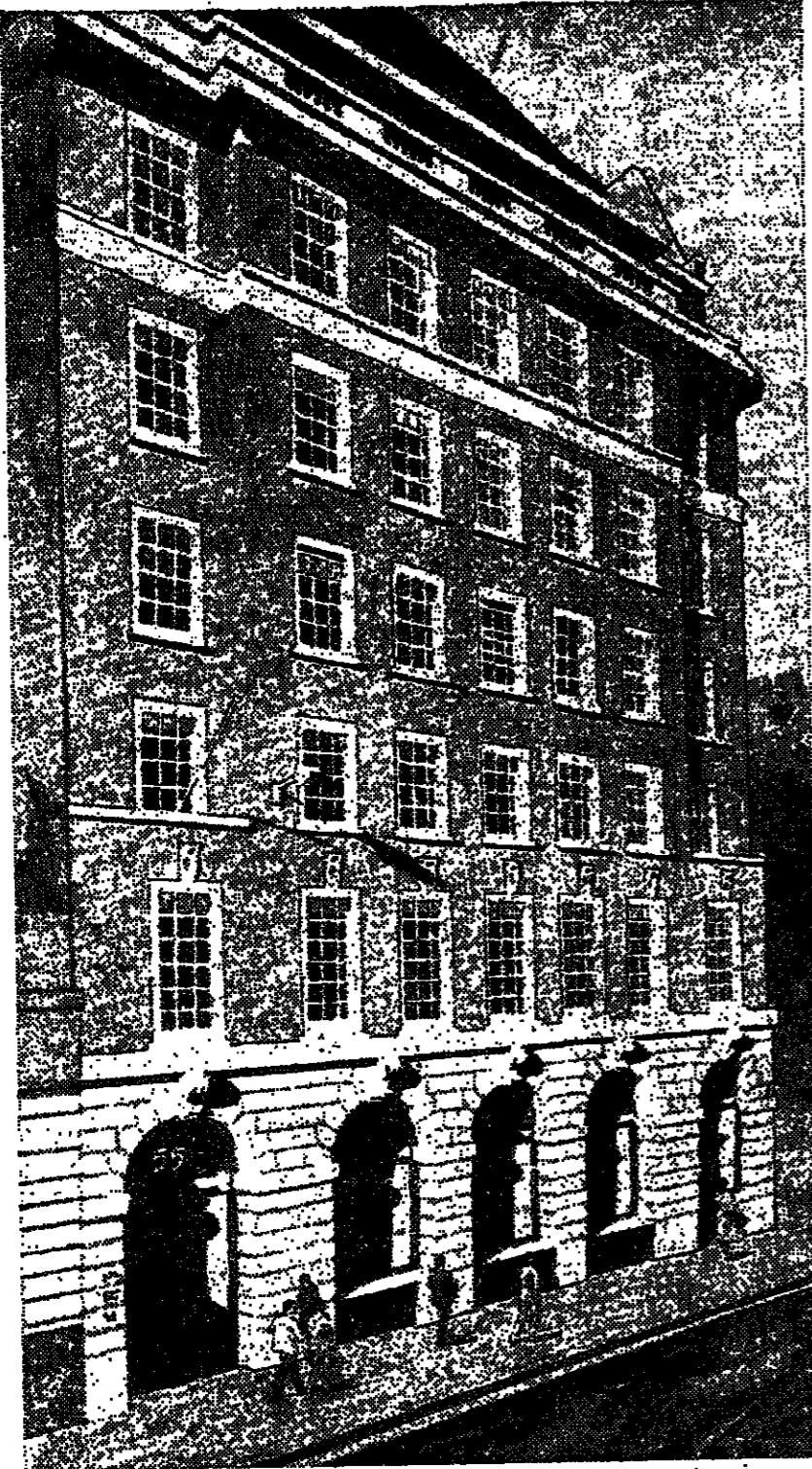
Table of money rates for New York, Germany, France, Japan, etc.

LONDON MONEY RATES

Table of London money rates for Sterling, Local Authority deposits, Finance House Deposits, etc.

Large advertisement for Building increased earnings, featuring a large '4' graphic and text about higher profits, dividends, and properties.

مكتبة الأصيل



On April 2nd Canadian Imperial Bank of Commerce is moving to 55 Bishopsgate London E.C.2.

The move of our City Branch from 2 Lombard St and the European Operations Office from 42 Moorgate to new premises in Bishopsgate is yet another indication of the continuing growth of Canadian Imperial Bank of Commerce as a major force in world banking and finance.



CANADIAN IMPERIAL BANK OF COMMERCE

55 Bishopsgate, London EC2N 3NN. Telephone 01-628 9858. Telex 888229. Cable CANIMP London E.C.2.

The week in Parliament

TODAY
COMMONS: Proceedings on the Representation of the People Bill. Completion of Remaining Stages of the Arbitration Bill (Lords), the Crown Agents Bill and of the Consents to Prosecutions Bill and proceedings on the Pneumococcal Etc. (Workers' Compensation) Bill. **LORDS:** Industry Bill (Money) third reading. Nurses, Midwives and Health Visitors Bill, third reading. Banking Bill, remaining stages. Estate Agents Bill, remaining stages. Motions to approve the White Fish subsidy (Deep-Sea Vessels) (Specified Ports) Scheme, 1978. Air Navigation (Noise Certification) Order 1978. Carriage by Air Order (Application of Provisions) (Second Amendment) Order 1978. Credit Unions Bill, second reading.

SELECT COMMITTEE: Expenditure, Arts and Home Office Sub-Committee. Subject: Women and the Penal System.

TOMORROW
COMMONS: Proceedings on the Finance Bill and on the Consolidated Fund (Appropriation) Bill. Completion of remaining stages of the Weights and Measures Bill, the Leasehold Reform Bill and Carriage by Air and Road Bill (Lords).

WEDNESDAY
COMMONS: Banking Bill, consideration of Lords amendments. Nurses, Midwives and Health Visitors Bill. Lords amendments. Estate Agents Bill. Lords amendments. Proceedings on the Ancient Monuments Bill (Lords) and on three consolidation measures, the Exchange Equalisation Account Bill (Lords), the International Monetary Fund Bill (Lords) and the Prosecution of Offences Bill (Lords). **LORDS:** Motion to approve Immersat (Immunities and Privileges) Order 1978. Consolidated Fund (Appropriation) Bill, Finance Bill, Weights and Measures Bill and Leasehold Reform Bill, all stages. Crown Agents Bill. Consents to Prosecutions Bill and the Pneumococcal Etc. (Workers' Compensation) Bill, remaining stages.

Royal Assent will be given to all outstanding Acts and Parliament will then be prorogued prior to dissolution on Saturday, April 7.

BUSINESSMAN'S DIARY

UK TRADE FAIRS AND EXHIBITIONS

Date	Title	Venue
Current	London Fashion Exhibition (01-385 1200) (until April 5)	Olympia
Current	The Scottish Hotel, Catering and Licensed Trade Exhibition (031 229 6412) (until April 6)	Kelvin Hall, Glasgow
Current	International Engineering Inspection and Quality Control Exhibition (01-300 3300) (until April 6)	Exbn. Centre, Birmingham
Apr. 3-6	Leatherwear International (01-385 1200)	Olympia
Apr. 3-5	Computermarket 79 (01-935 4986)	Bloomsbury Centre Htl. WCI
Apr. 3-6	OCCA Technical Exhibition (01-608 1086)	Alexandra Palace
Apr. 5-8	Tipping Vehicle Exhibition (061-534 7648)	Exbn. Centre, Harrogate
Apr. 6-17	Birmingham Motor Show (0602 51202)	Bingley Hall
Apr. 9-14	Ideal Homes Exhibition (031 225 9657)	Assembly Rooms, Edinburgh
Apr. 18-21	National Food Services (01-686 7181)	Grosvenor House, W1

OVERSEAS TRADE FAIRS AND EXHIBITIONS

Date	Title	Venue
Current	Travel and Holiday Fair 79 (01-496 1851) (until April 8)	Helsinki
Current	Europain 79 (01-499 3964) (until April 9)	Paris
Current	Toys and Games Trade Show-BELVOUETS (until April 8)	Brussels
Apr. 5-8	International Coffee Exhibition	Geneva
Apr. 8-10	MODEXPO-International Ladies' Fashion Fair	Zurich
Apr. 14-23	International Trade Fair	Milan
Apr. 19-25	International Book Fair	Jerusalem
Apr. 20-29	International Household Fair	Amsterdam
Apr. 21-29	AGRO 79-Northern Agricultural Fair	Braga

BUSINESS AND MANAGEMENT CONFERENCES

Date	Title	Venue
Current	Management Centre Europe: Management Course (until Apr. 6)	London
Current	IPM: Industrial Relations Law: The impact of current legislation (01-387 2844) (until June 7)	Upper Woburn Place, WCI
Current	BTC: Senior Management Course (04882 5444) (until April 28)	Woking, Surrey
Apr. 2	AMR International: Interviewing Skills and Techniques for Executives (01-283 2732)	Royal Garden Hotel, W8
Apr. 2	ESC: Important Developments in the Protection of Industrial Designs (087 282 2711)	Hilton Hotel, W1
Apr. 2-4	ASM: Managing and Controlling R and D projects (01-385 1982)	RAC Club, SW1
Apr. 2-4	MSS Computer and Business Consultancy: Effective Marketing and Selling (0908 34758)	Worthing
Apr. 2-6	Frank Jenkins: Export PR/Planned Press Relations (01-687 2811)	Connaught Rooms, WC2
Apr. 3	Executive Conferences: Justifying and Selecting Automatic Test Equipment (0494 33171)	Hotel Russell, WC2
Apr. 3-5	Energy Utilisation and Conservation Conference (01-637 3400)	Royal Lancaster Hotel, W2
Apr. 3	NTIS: Information Services (0420 84900)	American Embassy
Apr. 3	Kvaliteitsdienst-KDI: Effective Material Utilisation (01-636 5351)	Hilton Hotel, Rotterdam
Apr. 3-6	BACIE: Training Design (01-648 5831)	Regent's Park, W1
Apr. 4	The Spring Research and Manufacturers' Association: Health and Safety in the Spring Industry (0742 760771)	Europa Lodge Htl., W. Brom.
Apr. 4-5	Graham and Trotman: Saudi Arabia and Egypt: Current and Future Business Opportunities (01-493 6351)	Cafe Royal, W1
Apr. 4-6	BHR: Institution of Chemical Engineers: Mixing (0234 750422)	University of York
Apr. 4-6	ISBA: World Industrial Advertising Congress (01-222 6362)	Amsterdam
Apr. 4-6	International Insurance Conference (01-222 6362)	Plaza Hotel, Frankfurt
Apr. 5-6	Assoc. of Offshore Diving Contractors: Underwater Engineering Symposium (01-648 5831)	University of Aberdeen
Apr. 6	Oyez-IBC: Damages for Personal Injury and Death (01-242 2451)	Royal Lancaster Hotel, W2
Apr. 9	The 48 Group: Trends in British Trade with China (0772 51581)	Guild Hall, Preston
Apr. 10	AGB: Trade Union Recognition—the options (01-353 3851)	London Press Centre
Apr. 10	The Institution of Mechanical Engineers: Power from Coal (01-222 7889)	Birdcage Walk, SW1
Apr. 11	LCCL: Conference on Libya (01-248 4444)	Cannon Street, EC4
Apr. 11	The Henley Centre for Forecasting: The Budget (01-236 3011)	Carlton Tower Hotel, SW1
Apr. 11	BAMA: Achieving production efficiency (0703 842765)	Kensington Close Hotel, W8
Apr. 14-21	CBA/John Ridgway: Training Course (01-720 7711)	Ardmore
Apr. 18-19	IMPI/AMEDA: Microwave—a Cooking Revolution (0852 41101)	London, W8
Apr. 18	AGB: Executive Secretary (01-353 3651)	Charing Cross Hotel, WC2
Apr. 18-20	Eurotech Management Development Service: Be a More Effective and Persuasive Communicator (0252 313086)	Cafe Royal, W1
Apr. 19	AGB: Essentials of Employment Law (01-353 3651)	Cafe Royal, W1
Apr. 19-20	FT Conference: South East Asian Banking and Finance (01-238 4382)	Singapore
Apr. 19-20	MSS Computer and Business Consultancy: Manufacturing/Production Control Concepts (Worthing 34755)	Worthing
Apr. 19-20	Malaysian Investment Centre: Assisting UK Businessmen in the Expansion of Trade and Investment Opportunities in Malaysia (01-493 0616)	Piccadilly Hotel, Manchester
Apr. 20-23	IPM: Current and Future Developments in Pay Policy and Industrial Relations Practice (0865 735422)	Kennington, Oxford

Protected Eagles No. 1

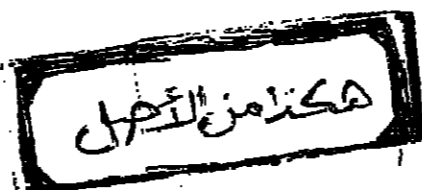
White Tailed Sea Eagle

Extinct in the United Kingdom by 1916. Re-introduced in 1977. Main habitats Scandinavia and Asia. Fourth largest eagle in the world, with a wing span of 7-8 feet. Like all eagles it is a protected bird.



With 160 U.K. branches you can rely on our countrywide insurance service for your protection. Millions do. Ask your broker or call in at your nearest branch.

Eagle Star Insurance



"Notwithstanding reduced UK vehicle production, the Group's technical strength and expertise will still further increase our worldwide sales."

Sir Bernard Scott, Chairman.

RESULTS

Turnover for the six months was £510m, an increase of £48m. The Lucas share of Associated Companies' (all overseas) turnover was a further £61m giving a total turnover of £571m which is £64m higher than the previous year. Sales in Europe increased by 21% and those in the US by 43%. Direct exports from the UK were up by 24% to a record level of £286m. Profits before tax for the six months at £24m were disappointing and this was due to the poor performance of the UK market. During the whole of the first half of the financial year there has been a series of disruptions to production and sales caused by the wide-ranging problems both within the industry and elsewhere. Thus the UK production of vehicles showed a decline of no less than 18% on the previous year. An additional

factor that reduced profit was our considerable spending on new projects not yet on stream but which will make an important contribution in the future. Outside the UK our companies in Europe and other overseas areas performed well and increased their profits by 28%.

PROSPECTS

The outcome will depend materially on the industrial climate prevailing in the UK for the remainder of the year. Steady and sustained production is essential to restore the profitability of our domestic business to a satisfactory level. However, notwithstanding reduced UK vehicle production, the Group's technical strength and expertise will still further increase our worldwide sales. Our prospects are good and market penetration continues to increase.

1979 Interim Results at a glance:

	Half-year to 31.1.79 £ million	Half-year to 31.1.78 £ million	Year to 31.7.78 £ million
Sales to outside customers	510.14	462.39	971.17
Surplus on trading	26.87	30.34	77.91
Profit before taxation	24.09	27.61	73.05
Earnings per ordinary share	18.89p	22.99p	59.89p
Dividend per ordinary share	2.57p	2.33p	9.18p

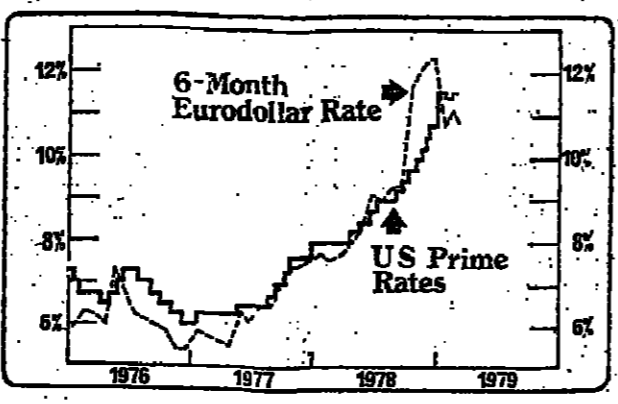
INTERNATIONAL CAPITAL MARKETS

BY FRANCIS GHILES

The Canadian dollar comeback

ANOTHER startling week for the prices of Sterling bonds and dollar bonds convertible into British equities...

calendar for the four weeks starting March 28, which was set at a maximum of DM 770m...



6-Month Eurodollar Rate and US Prime Rates from 1976 to 1979.

The Canadian dollar sector of the market was re-opened after being closed for 18 months...

The coupon and maturity will be the same regardless of when the individual bonds are issued...

Hungary is to borrow \$100m by way of a syndicated loan paying 4 1/2% above U.S. prime rate...

INTERNATIONAL BONDS

THANKS to the Bank for International Settlements (BIS), it is now at last possible to make sensible estimates of individual country's debts...

INTERNATIONAL LOANS

Second, it explains the scope and limitations of the information available for their own purposes but which is not publicly available...

FT INTERNATIONAL BOND SERVICE

Table listing various international bonds with columns for Issued, Bid, Offer, and Yield.

Table listing international loans and rates with columns for Issued, Bid, Offer, and Yield.

CURRENT INTERNATIONAL BOND ISSUES

Table listing current international bond issues with columns for Borrower, Amount, Maturity, Coupon, Price, and Offer yield.

U.S. BONDS

FACING UP TO INDICES THE NEW YORK bond markets are facing some difficult tests over the next few days...

Advertisement for U.S. \$25,000,000 UNITED OVERSEAS BANK LIMITED, featuring floating rate notes due 1989 and listing various banks.

Questions begged by compulsory liability

BY OUR INSURANCE CORRESPONDENT

WE ARE now in the eighth year of compulsory employers' liability insurance and so smoothly have the compulsory laws been applied by the insurance market that the only visible evidence of change has been the displays on office and factory noticeboards of current statutory certificates of insurance.

It is trite to say that the employer must have cover to ensure employees receive compensation for any injury or illness caused in the course of their work as the result of the employer's negligence. This provokes the questions: "Who is an employee?" and "which employees have to be protected by law?"

The 1969 Act defines an employee as "an individual who has entered into or works under a contract of service or apprenticeship with an employer..."

The vital words are "under a contract of service or apprenticeship", but almost all insurers provide cover in respect of people outside the statutory definition; for example, people hired to or borrowed by the policyholder while under a contract with some other employer...

"The number of people who might be called "quasi-employees" and whose rights to compensation for work accidents may be insured for convenience under employers' liability policies is increasing.

Last Friday a Financial Times report described how GEC at Manchester is running, in conjunction with the Manpower Services Commission, fortnightly employment induction courses, each for up to a dozen young unemployed people. While much of the time is taken up with classroom exercises, lectures and visits round the factory...

WALL STREET

Table of Wall Street stock prices for 1978-79 and Mar 30, listing various companies like Abbott Labs, Am International, etc.

General manager for National Benzole

BY OUR INSURANCE CORRESPONDENT

Mr. John M. Sperring has been made director and general manager of NATIONAL BENZOLE COMPANY from today.

Mr. P. C. Williams has been appointed chairman and continues as group managing director of G. E. WALLIS AND SONS.

Mr. Robert D. Wade has become group managing director of LEEDS AND DISTRICT DYERS AND FINISHERS.

Mr. Adrian R. Spang has joined P. J. REESONS AND CO. to establish and manage the bank's corporate finance department.

Mr. A. C. Barker has been appointed a director of the BANKERS' INVESTMENT TRUST from April 3.

Mr. R. B. Anstey and Mr. C. J. Wakefield have been appointed executive directors of GREENGARDEN INVESTMENTS.

Public Works Loan Board rates

Effective from March 24

Table of Public Works Loan Board rates for Quota loans repaid and Non-quota loans A* repaid, categorized by years.

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Indices

NEW YORK - DOW JONES

Table of New York Dow Jones indices for 1978-79 and Mar 30, including Industrial, Transport, and Utilities.

STANDARD AND POORS

Table of Standard and Poors indices for 1978-79 and Mar 30, including Industrials and Composite.

EUROPE

AMSTERDAM

Table of Amsterdam stock prices for Mar 30, listing various companies like Alhold, Alig, etc.

BRUSSELS/LUXEMBOURG

Table of Brussels/Luxembourg stock prices for Mar 30, listing various companies like Arbed, Alcatel, etc.

COPENHAGEN

Table of Copenhagen stock prices for Mar 30, listing various companies like Andelsbank, Danske Bank, etc.

VIENNA

Table of Vienna stock prices for Mar 30, listing various companies like Creditanstalt, Erste Bank, etc.

GERMANY

Table of Germany stock prices for Mar 30, listing various companies like AEG, Allianz, etc.

MILAN

Table of Milan stock prices for Mar 30, listing various companies like ANIC, Asaf, etc.

OSLO

Table of Oslo stock prices for Mar 30, listing various companies like Bergen Bank, Berg, etc.

PARIS

Table of Paris stock prices for Mar 30, listing various companies like Air France, Alcatel, etc.

Rises and Falls

N.Y.S.E. ALL COMMON

Table of N.Y.S.E. All Common stock price changes for Mar 30, 29, 28, 27.

MONTREAL

Table of Montreal stock prices for Mar 30, 29, 28, 27.

TORONTO Composite

Table of Toronto Composite stock prices for Mar 30, 29, 28, 27.

JOHANNESBURG

Table of Johannesburg stock prices for Mar 30, 29, 28, 27.

SPAIN

Table of Spain stock prices for Mar 30, listing various companies like Asland, Banco Central, etc.

STOCKHOLM

Table of Stockholm stock prices for Mar 30, listing various companies like AGA AB, Alfa Laval, etc.

HONG KONG

Table of Hong Kong stock prices for Mar 30, listing various companies like Amalgamated Rubber, Cheung Kong, etc.

BRAZIL

Table of Brazil stock prices for Mar 30, listing various companies like Aluminio, Arco, etc.

AUSTRALIA

Table of Australia stock prices for Mar 30, listing various companies like ANIC, Asaf, etc.

JOHANNESBURG

Table of Johannesburg stock prices for Mar 30, listing various companies like Anglo American, Anglo Consol, etc.

INDUSTRIALS

Table of Industrial stock prices for Mar 30, listing various companies like ARCI, Anglo-Amer, etc.

Financial Rand U.S. 76c

Financial Rand U.S. 76c (Discount of 53 1/2%)

FINANCIAL TIMES SURVEY

Monday April 2 1979

مكتبة الشرق

West Berlin

Although it is Germany's largest industrial city, West Berlin remains viable only with the considerable financial support it receives from the Federal Republic. But its problems have often been vastly exaggerated and the city has managed to adapt well to living behind the border of Communist East Germany.

Battling against the odds

By Jonathan Carr

WEST BERLIN is alive and well—and remains one of the democratic world's most rewarding cities although it lies more than 100 miles behind the border of Communist East Germany. Some used to think that West Berlin would be swallowed up by the Communist world, if not through direct military action then by other external pressures which would make life there impossible. When this proved to be incorrect it became fashionable to suggest that the city, drained of vitality by its internal problems and its unique political position, would simply fade away. It must be stressed therefore that reports of West Berlin's impending demise have been vastly exaggerated.

Of course, West Berlin has big problems—many but by no means all matched in other major European cities. These problems were for a long time largely ignored by non-Berliners

because of the city's international political importance. Berlin was the "outpost of freedom," the city of the attack on the Wall—the place where the Cold War was most visible.

It is a tribute to the success of the Four-power Berlin Agreement, and of the subsequent accords between East and West Germany, that this fascinating but unsettling political role is less often talked about now. As the excitement of the initial thrust of the "Ostpolitik" at the start of the 1970s began to dwindle, West Berlin became a more normal city and problems which had long existed, swam into public view.

True, West Berlin remains the largest industrial city of Germany (or, as one commentator put it, the most significant industrial centre between Paris and Moscow). But it is not viable without big financial support from the Federal Republic. Raw materials must be brought in from the West at great cost and the city has to provide its own power supplies, without the backing of a larger grid at times of peak demand.

Then, West Berlin has no real hinterland and no commuters from the countryside. Those who leave the city go right away and are usually lost to Berlin for good. The population, which has been declining, now stands at about 2m and is likely to drop further. This is partly because for years more people have been leaving than have been moving in—although

a near balance now seems to have been gained. But it is also because the death rate markedly exceeds the birth rate, not a problem in West Berlin alone but particularly acute there.

Berlin has had its scandals too. Some mirrored those occurring in West Germany—for example in the building industry, a boom sector where some over-reached themselves and went bust when the economic downturn came. Others were the familiar signs of a political leadership long—some said too long—in office.

But the democratic checks and balances have operated well enough. The Social Democrats (SPD) who have always held Government office in West Berlin, had to go into coalition with the Liberal Free Democrats (FDP) in 1975. The SPD then stabilised its position under a new and effective governing mayor, Herr Dietrich Stobbe, and the SPD-FDP alliance was confirmed in elections last month, despite a strong opposition challenge.

Finally—neither a problem, nor a scandal, but a mystery, even well-informed West Germans tend to be stuck for an answer when asked to define West Berlin's status. The city is, after all, a land (state) of the federation according to German law—but supreme authority remains in the hands of the four wartime Allied powers.

The city is incorporated in the economic and legal system of the Federal Republic and close to 30,000 federal employees work there. But, as the four-power

agreement points out, West Berlin is not a constituent part of the Federal Republic and is not governed by it (although ties between the two can be maintained and developed). Little wonder that American Presidents have been known to make

comments indicating that they will defend West Berlin to their last breath, but that they are not wholly clear precisely what sort of entity they are supporting. Much of this may seem discouraging—or at the least disorientating. The modern

German writer Hans Magnus Enzensberger caught the mood well enough when writing about the German states: "We belong," he said, "to two parts of a whole that does not exist. Two parts, each of which denies being a part, and each presents itself in the name of the whole. . . . This condition is regarded as at once temporary and definitive—the provisional is inviolable."

How then can relative optimism about the future be justified? Some reasons are political (and described in more detail elsewhere in this survey). The two German states are gradually improving contacts and relations between them. This process has benefited Berlin already and surely will continue to do so.

But it is also worth standing back and taking a look at the historical perspective. Even the city's division is not as modern a phenomenon as many might imagine. Berlin was born from two trading towns on either side of the River Spree which viewed each other with distrust even after their leaders had agreed on a common town hall at the start of the 14th century. Each was under geographical and economic pressure to cooperate with the other—and with time this is what happened.

United Berlin had many crises. Today the population decline is a matter for concern. But it is worth recalling the shocking setback of the 30 years war in the 17th century when the town, by then an important trading centre, was made by warring parties to pay tribute to

each but was finally sacked. The population of about 10,000 dropped by almost half, yet decades later Berlin was more important than before and by the time it became the capital of the German empire in 1871 nearly 1m people lived there.

The First World War, hyperinflation, strikes and street violence gave way to the "Golden Twenties" when Berlin confirmed its industrial and cultural pre-eminence. Then came the era of Nazi power, another war, destruction and a 1.5m drop in population to about 2.8m. The recital of such figures hardly helps comprehension of the disaster. It is much more striking to stand nearly 400 feet up on Berlin's "Trummerberg" mountain and recall that it was built from war debris.

Vitality

Immense vitality, the ability to make a comeback against all odds, is the common thread which runs through the city's history. Despite the departure of many former Berliners for the West and the arrival not only of other Germans but many foreigners too, there remains a Berlin "flair"—recognisable even to those who first learned of the city's character from books written decades earlier.

Part of that quickness of mind and sardonic sense of humour, which many West Germans find uncomfortable about Berliners, may even be of French origin. Thousands of Huguenots who fled their homes after the revocation of the Edict of Nantes in 1685, settled in Berlin. Can that be why Berlin

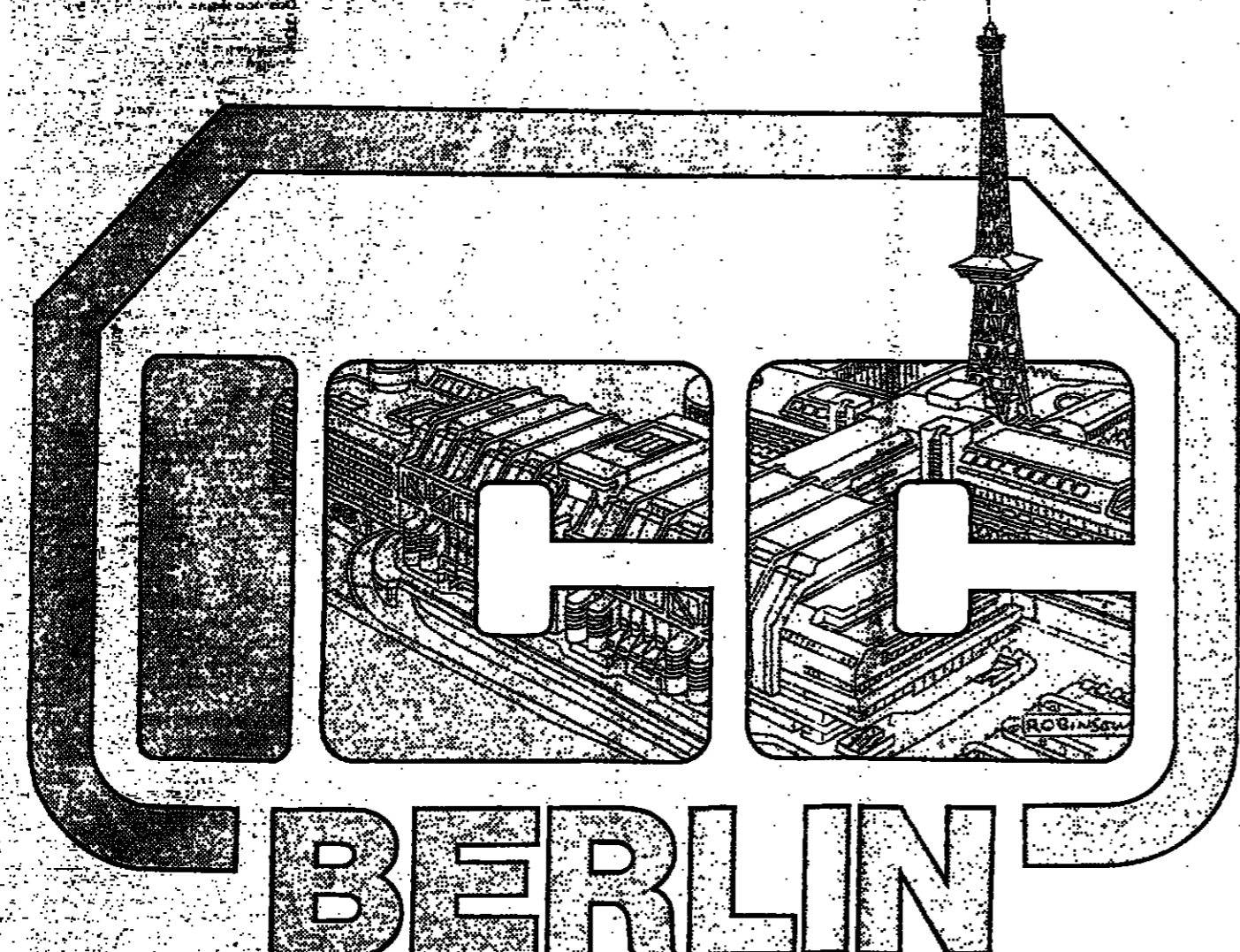
cabarets, political and otherwise, have a flavour which often evades those in Hamburg and Munich (unless, of course, they are run by transplanted Berliners?) Might it not also help explain why Berliners can give a peculiarly clear-sighted, logical critique of the West German way of life even as they benefit from its successes—a richly ironic situation which Berliners will wryly acknowledge.

Despite several rival claims, Berlin is still the only German city with the "feel" of a capital about it. This is not simply because of the reminders of the past—the Reichstag (where parliamentary groups still meet from time to time), the Brandenburg Gate, Charlottenburg Palace and so on. Nor is it a question just of injections of outside money. It has much to do with preservation of tradition—even though so many factors have told against this.

There could be many examples, culturally and otherwise. One will suffice: a concert in February given by the peerless Berlin Philharmonic Orchestra, its members, playing as though their lives depended on it, in their concert hall hard by the wall dividing the Eastern and Western sectors.

The programme noted that exactly 50 years before, the same orchestra had been playing under Furtwaengler with Kreisler as soloist. It is hard to believe that those who performed then would have had anything but praise for their successors. They would surely have found it gratifying like the old days.

Berlin — East and West



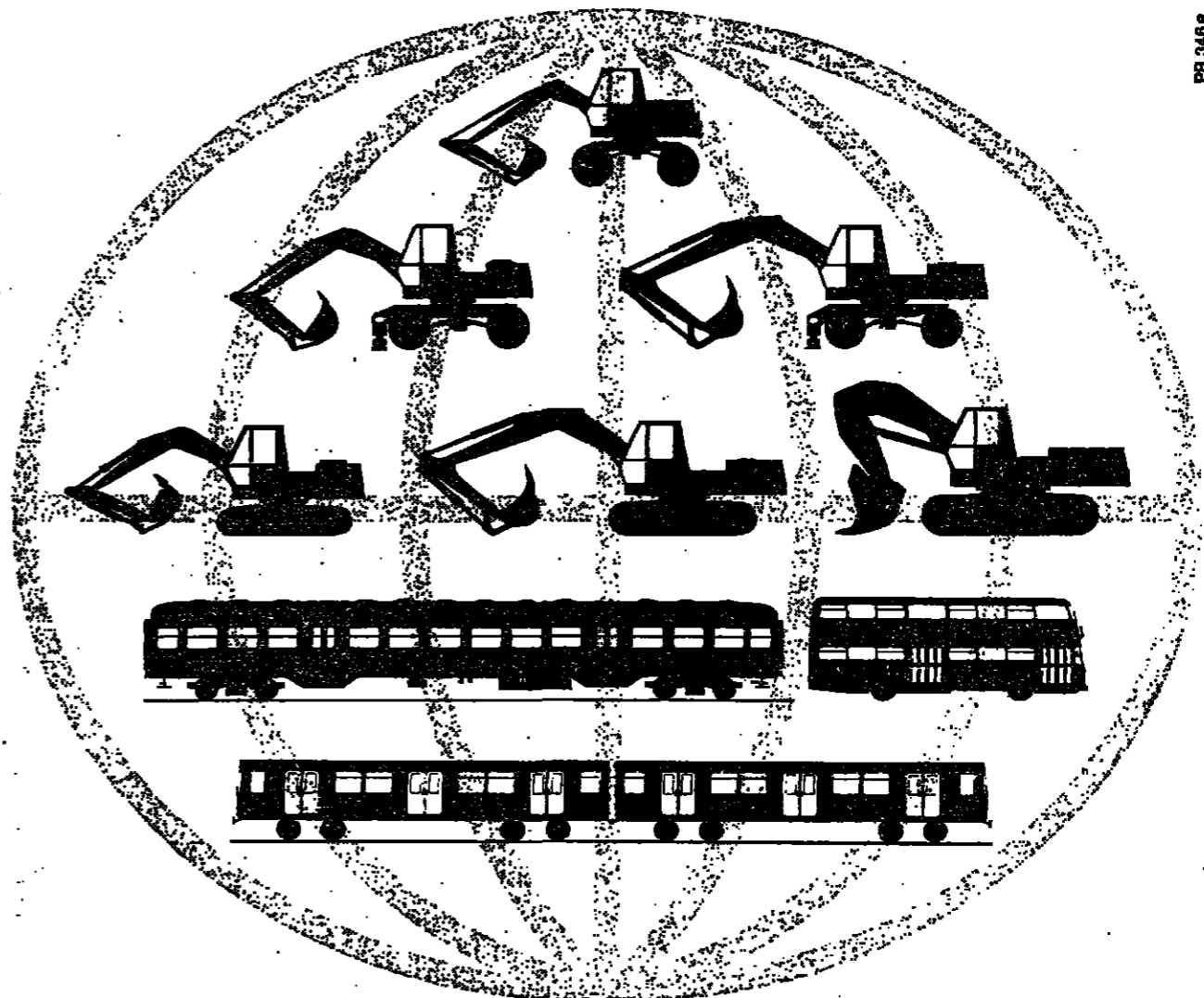
2nd April, 1979, heralds the start of a whole new conference era.

On 2nd April, 1979, the magnificent Opening Ceremony of the ICC Berlin attended by Guests of Honour from around the world. Also ICC Berlin welcomes its first international congress. Welcome to Berlin!



International Congress Center Berlin

AMK Berlin
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Spectrum Communications Limited
Spectrum House, 152/153 Askew Road, London W12 9 AX
Telephone 01-7429339



O&K Founded in Berlin in 1876. Moving the earth ever since.

O&K started business in 1876 by devising new economic and faster methods of moving rocks and earth from mines and construction sites. From the very beginning Orenstein and Koppel offered customers more than just railway and earthmoving equipment. They demonstrated opportunities for saving money and increasing productivity. The same could be said of marketing today.

Today the production range of O&K's Berlin works comprises crawler-mounted hydraulic excavators with shovel capacities up to 1.5 cu.m., mobile hydraulic excavators with shovel capacities up to 0.9 cu.m., railcars for underground and metropolitan use, railway coaches of all kinds for passenger traffic, baggage and mail vans, and double decker buses. Products you can rely on.



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BEWAG energy for Berlin

WEST BERLIN II Economy operates efficiently

WEST BERLINERS take for granted the highly efficient way their city of some 2m is supplied round the clock from West Germany and sends back most of its processed goods...

as in West Germany and several large companies, especially in industries with structural problems such as mechanical engineering, have closed down.

Contrary to some fears when the Four Power Treaty was signed, West Germany has steadily increased its financial support for Germany's largest city. Only last month Bonn agreed to double its yearly subsidy to DM 85m for lowering the fares of passengers using British Airways, PanAm and Air France flights between West German cities and West Berlin.

Berlin's investment subsidy is nearly as important and came to DM 384m in 1977. The city will buy a company a factory site for which it then pays 4.5 per cent of the purchase price and gets a hereditary lease and gets a hereditary lease of 12.5 per cent of building costs and the city gives a 25 per cent rebate for investments in machinery and equipment.

Lucrative

The largest single subsidy to West Berlin amounting to DM 136m in 1977, is the reduction in the 12 per cent Value Added Tax from between 4.5 per cent to 10 per cent of the price of a product being sent to West Germany.

The loss of industrial jobs is a problem in West Berlin just as in West Germany and several large companies, especially in industries with structural problems such as mechanical engineering, have closed down.

Expansion

One area in which additional jobs are being created is the service industry. The number of service employees rose last year by 1.2 per cent to 148,000 or 18 per cent of all employees.

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The wall becomes 'porous'

IT IS revealing and thought-provoking to revisit East Berlin after 18 years of absence. The first time (three days before the building of the wall in 1961) the contrast with the western sector was sharp enough. West Berlin was described as the "glittering shop window of the democratic world," and while the city has always been more than a window, the description, within its limits, was fair enough. East Berlin, on the other hand, had few shop windows to speak of, glittering or otherwise.

Today those who know other East European capitals well are inclined to talk of East Berlin as the shop window of Comecon. There seems little reason to challenge this judgment. The city appears quite full of Poles, Russians and others viewing the products of the East German "Wirtschaftswunder" with that same uneasy admiration which Western European visitors accord the main cities of the Federal Republic. By comparison with the East Berlin of 18 years ago, the shops, the products, some of the main buildings in the centre mark a striking advance. Even the people seem to have changed—or it is just that they are better dressed. It is not like West Berlin nor, perhaps, a would one choose to live there oneself. But it is only fair to report the existence—for those not so far aware of it—of two shop windows in the former capital of the German Reich.

of the Berlin Wall. The agreement, the result of hundreds of hours of negotiations between the Western Allies and the Russians, was followed by further detailed, difficult talks between the East and West Germans, who signed their own treaty regulating general relations in 1972.

A few figures will indicate the extent to which these agreements have made their impact—the extent to which the wall has become "porous" as it were. West Berliners are allowed to visit East Berlin and East Germany for up to 30 days a year. Last year West Berliners alone made more than 3.2m such visits—some just for part of the day, some for longer.

First, the Soviet Union for the first time in treaty form recognised the close ties between West Berlin and the Federal Republic and agreed that these should be developed. It is true that there have been repeated squabbles over this part of the text, with each side interpreting the word "ties" in the way best to suit itself.

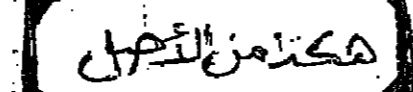
Quarrel It could well be that another quarrel will arise shortly over the participation of West Berlin in direct elections to the European Parliament. But one only has to compare the level of these disputes with the dangerous situation which existed before 1971 to recognise the extent of the progress made.

Second, transit traffic by road, rail and water through East Germany to West Berlin was not only to be unimpeded but would receive preferential treatment. This, too, was a major benefit, bearing in mind the repeated harassment to which Berlin's land lifelines had been periodically subjected—and to which they could be subjected again without treaty regulation.

Responses

The word "reunification" has been deliberately avoided since it arouses so many emotional responses as to make further consideration of the question difficult. (It is worth recalling, however, that the preamble of the Federal Republic's basic law [provisional constitution] says that "the entire German people are called upon to achieve in free self-determination the unity and freedom of Germany.") But if a key aim of Ostpolitik was to bring the two halves of Germany closer, to move towards a situation in which the Berlin wall became increasingly irrelevant, then it is fair to assess the policy as already a success—and, barring a serious rise in tension between the super-powers, likely to become still more so.

Jonathan Carr



Congress centre on the grand scale

WHEN THE International Congress Centre is opened in West Berlin today by President Walter Scheel of West Germany before an audience of 7,000, the sheer size of both the event and the building will strike many Germans as typical of the brash Berliners and their sprawling city.

The accompanying concert on the congress centre's grand stage by the Berlin Philharmonic Orchestra, under Herbert von Karajan, and the following day's concert by Karl Böhm and the Vienna Philharmonic, will demonstrate that no less attention has been paid to the acoustics of the building's enormous multi-purpose halls than to their commercial viability.

The opening of this DM 800m (\$210.5m) futuristic structure is designed to help make West Berlin the first-ranking convention city in Germany.

The silver-sheathed building, which appears to glide along its site like some gigantic opened matchbox, exudes the energy that typifies this city at its best. Situated next to the sprawling Berlin Exhibition Grounds and linked to them by a three-storey flying bridge, the building also represents the city's even more ambitious goal to become one of the world's foremost convention centres.

Convention-goers will certainly appreciate the centre's siting, five minutes by bus or underground from the heart of West Berlin and less than 10

minutes from the airport by car.

Currently, the city ranks with Munich and Hamburg as one of the leading German convention cities, and is in 10th place internationally. The opening of the congress centre is expected to propel West Berlin into first place in Germany, and move the city into sixth or seventh place internationally.

Herr Peter W. Haupt, the building's general manager, says he hopes that by 1985 West Berlin will have risen to third place among the world's convention cities, behind London and Paris.

"There's far more competition between ourselves and convention managers in other German cities than we have with our colleagues in Paris and London," he explains. The reason is that international conventions and conferences wander over the globe, and when they choose to meet in Europe, only one country is considered each time. Most of the rivalry takes place between that country's cities to host the convention, and this also explains why the new Berlin centre is so large.

"This year we will have three events with 5,000 people at each of them," Herr Haupt says, and this will fully utilise capacity. Next year there will be five events of this size.

Depending on the type of convention or conference, the two main halls — separated by the enormous central stage — can

seat more than 8,000 participants, with just over 5,000 in Hall 1 and 3,160 in Hall 2. Hall 1 can also be transformed for working sessions by rapid converting of every other row of seats into desks.

About 2,000 participants can take part in a conference in Hall 2 when seating galleries are lowered from the ceiling, turning the hall into a tiered auditorium. The platform can then be raised to create a ballroom holding 4,000, or a banquet hall seating 3,200 diners.

A specially-designed Berlin conference chair, supposed to keep occupants' spines from collapsing has been installed in both halls with everything incorporated except for snugglers to permit a conference snooze.

In addition to the two main halls, the congress centre has a third auditorium with 870 seats, and seven other rooms seating from 126 to 288 people. Another 70 rooms of various sizes provide more intimate surroundings for working groups.

Among the larger conventions and meetings to be held at the centre this year will be the European Brewers' Convention next month; the Volkswagen Company's shareholders' meeting, with 4,000 participants; a meeting of Daimler-Benz car dealers, a shareholders' meeting of West Germany's largest company, Veba; a jubilee celebration by the Siemens Company; a

world conference by the Hoechst Company; and the German Social Democratic Party's national convention.

A main event next year will be a world convention of the International Bar Association.

From now until 1981, the congress centre is booked solid, with 100 conferences and conventions. Another 270 events are now being worked on, up to 1985, and the centre is negotiating to hold conventions of 67,000 participants in 1987 and 1988.

Benefits

However, Herr Haupt says that convention centres probably can never be made profitable, and the new congress centre is receiving subsidies from the city of about DM25m (£6.5m) annually, in line with other convention centres.

Financial benefits that do accrue will go to the economy of West Berlin, he says, pointing out that the average convention-goer spends DM 250 a day or four times the amount of the average tourist. Participants at the centre's conferences and conventions in the first year of operation are expected to spend about DM 120m in the city's hotels, restaurants and shops.

The organisers of West Berlin's fairs and conventions believe that the city's location in the heart of East Germany, can be turned into an advantage. They point out that East European governments, which are forced to save hard currency, may prefer to have their citizens take part in a conference in West Berlin because they can stay overnight in East Berlin hotels for non-convertible currency, rather than pay for costly trips to the West.

The idea that West Berlin may not be acceptable to East European governments for political reasons is discounted in the city. East European experts are expected at the European Brewers' Convention and the international meeting on East European automobile production because they profit from such contracts.

Similarly, East European participation is heaviest at those West Berlin exhibitions and fairs where East European countries see a direct commercial gain.

All the Comecon countries are regular exhibitors at the International Tourism Exchange, held in the city in March, and which this year had 700 exhibitors from 80 countries and regions. It is regarded as a highly successful event because of the importance of the West German holiday-maker to international tourism.

The International Congress Centre and the adjoining Berlin Exhibition Grounds are seen by their parent organisation, the Berlin Company for Exhibitions, Fairs and Congress (AMK)



The new centre: typical of the brash Berliners

as mutually complementary, because trade and speciality fairs are increasingly being held together with conventions.

The Tourism Exchange, for example, takes place with a congress each year, and the International Green Week and the International Radio and TV Exhibition attract several thousand convention-goers and exhibitors.

The Berlin Exhibition Grounds, with 24 large halls in

a park-like setting, make West Berlin the fifth-ranking exhibition city in West Germany. Last year 1.6m people, including 130,000 trade visitors from Berlin and outside, attended exhibitions in West Berlin.

In addition to the Green Week and the Tourism Exchange held earlier this year, the major coming event is the R'dio and TV Exhibition in August, which attracted 626,000 visitors when

it was last held in 1977.

The Overseas Import Fair in September is another successful event which provides a trade and contact forum on products from developing countries. The German Industries Exhibition, held in Berlin every other year, is to have greater participation than ever from the West German car industry next year.

Les'ie Colitt

Restoring the city

ONLY A few streets from the pulsating Kurfürstendamm are the quiet, tree-lined residential neighbourhoods with small family-owned shops in 1890s Wilhelmian buildings that would long since have been raised to make way for office buildings in most West German cities. West Berlin is guilty of its share of urban mis-planning, but thus far it has spared the unbroken facades of glass and steel in a mid-city drained of life after decades.

The city's blend of apartments, offices and shops is less a virtue than a product of necessity as West Berlin has no suburban hinterland during its inner-city residents with pre-fab housing.

Despite the building of over half a million new flats since the war, and the apparent balance in housing of 1.1m flats to 1.9m inhabitants, newly arrived West Germans say the actual housing shortage is worse than in West German cities. For one thing the city still has over 600,000 apartments heated by coal-burning ovens and 250,000 flats without either bath or toilet or both. The worst housing is occupied by 180,000 foreign workers and their families, mainly from Turkey, while West Berliners and West Germans compete for the better flats.

The city's goal is to modernise 200,000 substandard dwellings in the next 25 years at a cost of over DM 9.5bn, of which DM 7bn will be in public funds mainly from West Germany. This marks the most ambitious project in Germany to restore the inner districts of a major city and prevent their decay into slums.

An international building exhibition is to be held in West Berlin in 1982 to demonstrate at first hand how city cores can be revitalised. One can view the results of the 1981 building exhibit on housing estates in green spaces by visiting the Horseshoe, Siemens and Uncle Tom's Cabin housing estates which are still regarded as highly livable in by their occupants.

Renovated

Some 60,000 apartments are to be renovated and modernised as part of the 1984 exhibition, while the old town in Spandau district is to be fully restored with four city squares given back their lost urban quality. Nine thousand new flats are to be integrated into the inner city without sacrificing green surroundings. West Germany is providing DM 48m to reconstruct the former Applied Arts Museum with the help of Polish craftsmen; the Ephraim Palace is also to be rebuilt at a cost of DM 22m and is to house, among other things, the Jewish Museum of Berlin. Yet another restoration is that of the citadel in Spandau, to be completed at a cost of DM 72m with DM 27m coming from West Germany.

West Berlin's postwar cultural complex, arcing toward East Berlin's restored Unter den Linden, has a DM 200m dedication, the State Library designed by the late Hans Scharoun. Scharoun was also the gifted architect of the nearby Philharmonic building whose striking in-the-round interior and acoustics make it one of the finest of modern concert

halls. Across the street from the State library is the by now quiet National Gallery by Ludwig Mies van der Rohe.

In West Berlin's eagerness to duplicate, in miniatures, all that seems modern elsewhere, the city has built over 30 kilometres of inner city autobahn which is being expanded by another 19 km, with 20 km more planned if Berliners have not rebelled by then.

On the positive side West Berlin's underground, which is 97 km in length (East Berlin has another 28 km), is to be expanded to 140 km in a few years and 200 km is the goal. Public transport in West Berlin is supplemented by the East German-run urban elevated railway, the S-Bahn, which provides one of the more unusual tours along the West Berlin side of the Wall.

Amenities

Although Berlin already has more amenities than many other large cities, it is trying to improve their distribution. West Berlin's 360 km of streets with bicycle paths, mainly in the suburbs, are to be expanded to over 500 km including inner districts. The city is well endowed with green areas but the spread is unequal. The southeast district of the city is to get a wholly new park by 1985 when the West German garden show is to be held in Berlin.

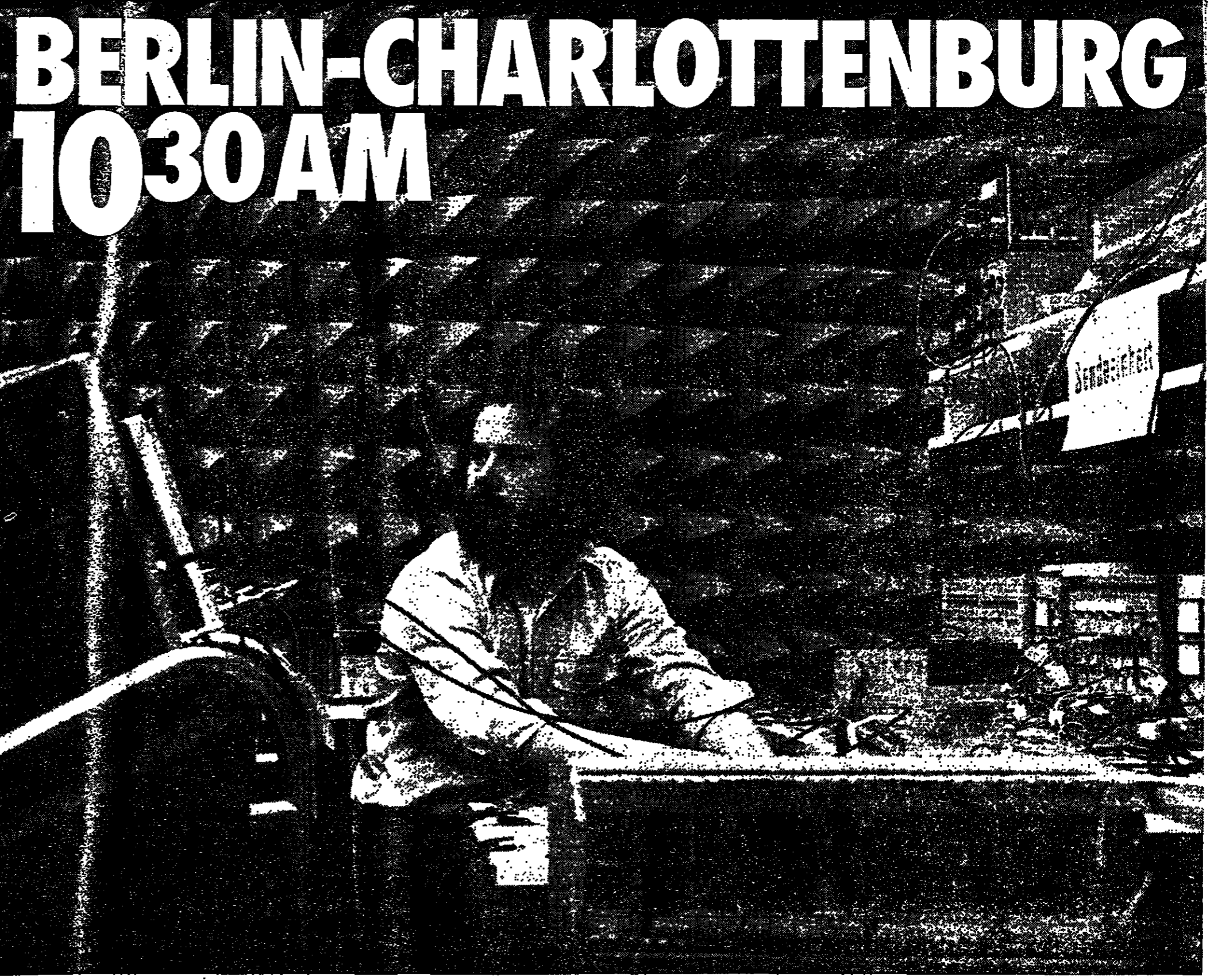
Elsewhere, the city has created 20 recreation areas on top of 250 hectares of former garbage dumps containing 100m cubic metres of rubble and waste; DM 67m is being spent on completing this urban land reclamation by the mid-1980s.

Young adults in Berlin are showing increasing interest in a form of Berlin family life that flourished over the years but appeared in danger of being extinguished: the allotment garden. Here families spend their free hours tending fruit trees and flowers and drinking and eating with friends outside their tiny houses. Relief is offered from city pressures which are often only a few hundred yards outside the gates of the garden colonies. West Berlin still has 48,000 of these allotment gardens and, although many of them were eliminated in recent years by road construction, the new policy is to ensure their survival as a stabilising influence in a rootless era.

Ironically, Berliners feel hemmed in when they live in most other cities and the explanation is that Berlin has the largest forest area of any European city. Statistically, there are 36 square metres of woodland for every West Berliner and on warm summer days they lay fallow claim to them. More than half of West Berlin's 194 square miles consists of forest, lakes, gardens and parks and in mid-summer there are actually traffic jams involving thousands of boats of all sizes on the Wannsee and on Tegel lake.

West Berlin's statisticians work their limited territory rather intensively and have come up with the fact that all the water frontage in the city adds up to 300 km. In this day and age how many cities are able to spend DM 600,000 a year simply on preserving and planting reeds along their lakes and rivers?

L.C.



Research for Tomorrow's World

The future is daily routine at Heinrich-Hertz-Institute for communications technology. Here basic research goes into the development of new sound and picture transmission systems, such as two-way cable TV, text screen display, laser beam and fiber glass media for storing, transmitting and processing of data. The impact of new technology now under development has yet to be assessed. It will provide new highly qualified jobs, revolutionize office management and open up a whole new dimension of utilizing TV systems for telecommunication.

A total of DM 600 million annually goes into research and development in Berlin. With its 106 institutes, 9 technical colleges, 2 universities and its cultural and scientific background Berlin rightly lays claim to being the Federal Republic of Germany's centre of science and research. For more information turn to Berlin's press and information centre: Presse- und Informationsamt des Landes Berlin 22/79, Rathaus Schöneberg, 1000 Berlin 62.

Research in Berlin

WEST BERLIN IV

Provocative city liked by artists

A FOREIGN theatre director says living in Germany brings out a creative tension between himself and his surroundings because Germans are forever asking provocative questions. He would find Berlin tailor-made for him because it is certainly one of the most provocative cities there is.

Berlin is the youngest of the great European cities and yet it has seen so much it seems to know it all. Divided Berlin is a microcosm of divided Europe and yet the Berliner has had his fill of slogans and ideology.

Berliners in the West partake of the most democratic of societies while Berliners in the East live in the most dictatorial of societies. Berlin is where the Bauhaus, the German art and design movement, reached its zenith and where a generation later its successors are producing endless imitations. Berlin is where the German and European student revolt was sparked off by a visit to the city 12 years ago by the Shah of Iran.

The student revolt subsided into social democratic reforms for Germany but for the Shah of Iran it turned out to be the beginning of the end. Berlin is also where the

former mayor, Herr Willy Brandt, confronted the Communists before and after the Wall was built and where he came to the conclusion that butting one's head against the Wall was not going to open it up.

Berlin gave birth to detente in Europe in the early 1970s but it is there that detente also met with the greatest resistance on both sides of the Wall. It is a city where tens of thousands of Germans from East and West meet each day and mainly compare incomes and prices.

Herbert von Karajan conducts what many regard as the world's most sublime orchestra there—the Berlin Philharmonic—and the schools produce adults who usually do not appreciate good music. The city that once created operas, operettas and songs hummed by generations of Central Europeans now imports almost all its popular music from the U.S. and Britain.

Lure

Fifty years ago Berlin turned out an endless stream of quality films for European audiences. Now it is luring West German and foreign film makers with hard D-marks to come and make

films in the city. And the lure may even work.

Berlin may never again have the artistic life it enjoyed between the two world wars, but it does have a growing number of German and foreign painters and sculptors who find the atmosphere conducive to their work. A lot of the credit for this should go to the Artists in Berlin Programme started by the Ford Foundation and taken over by the German Academic Exchange Service.

The programme has brought to Berlin such painters, sculptors, writers and musicians as Edward Kienholz, Peter Sedgley, George Rickey, Dorothy Iannone, Miklos Haraszli, Riek Cluechey, George Tabori, Witold Wirpsza, and Isang Um Yun, many of whom have decided to stay.

Among the local painters and sculptors with a following are Kurt Muhlhaupt, whose Berlin primitives are especially popular in West Germany and Bernhard Heiliger, who is mainly a representational painter.

Those who are knowledgeable about the local art scene say too many Berlin artists are more concerned with getting a share of the city's financial support for



artists than they are in achievement on their own. The artists, in turn, criticise the city for engaging in too much cultural representation such as the Twenties Meeting the Seventies in London, the Paris-Berlin

Show in Paris and Berlin Now in New York—all of them great successes—while not nurturing Berlin's arts enough.

So much in Berlin has an unreal, theatrical quality that theatre-going is sometimes a

disappointment. The great student demonstrations of the 1960s and 1970s have died down but some of their theatrical flavour lingers on at the city's annual May Day demonstrations. Berlin, East and West, boasts

no fewer than four competing May Day demonstrations, from the highly organised march-past in East Berlin with thousands of booming loudspeakers, to the clenched fists of the Communist League of West Germany in a working-class district.

Young Leftists at the West Berlin demonstration are dressed for the occasion in some of the finest proletarian tailoring seen off the stage of the Berliner Ensemble theatre in East Berlin. Their discipline is nearly as impressive as it was during the student revolt when young Berliners, chanting "Mao Tse-tung" and charging down the fashionable Kurfürstendamm would be stopped in their tracks when the traffic lights turned red.

The Schaubühne am Halleschen Ufer, Berlin's most celebrated theatre, is the place to experience extraordinary acting and staging even of unremarkable plays such as the current Rudi, by Bernard von Brentano. It is being presented in an abandoned former luxury hotel which abuts the Berlin Wall—one of the theatre's temporary venues until its new premises are ready.

The Schaubühne's current 54-hour production of Dean Destruction and Detroit by Robert Wilson, is a treat for those with the endurance to sit it out in the queues and the luck to get tickets. The Schaubühne will be getting a reconstructed DM 70m theatre of its own from the city on the Kurfürstendamm and with the level of public support it is getting, it is hoped that rigor mortis will not set in.

Walk-out

Berlin is the city of cultural festivals with theatre and music festivals in both east and western sectors and the annual West Berlin Film Festival.

This February it was interrupted by a classic Cold War walk-out by the East Europeans over The Deer Hunter, a not very incisive American film about the Vietnam war.

A new festival is being held this year in June called Horizons, the First Festival of World Cultures. It is to be inaugurated by Herr Brandt in his capacity as President of the North-South Commission.

Dr. Ulrich Eckhardt, director of the Berlin festivals, says one

aim is to help Third World countries strengthen their cultural identities. The idea is to get away from presenting, as he puts it, "African symphony orchestras that play Beethoven" and the first Horizons Festival is to stress Africa south of the Sahara including the cultures of the Caribbean and Latin America which were influenced by Black Africa.

Horizons may even succeed in bridging the gap between a festival and a large city with its musical programme devoted to African pop, beat and rock and African bands appearing at street events all over West Berlin.

Miriam Makeba, who sang at last year's Jazz Days, has been invited to sing along with ten female musicians and singers from Guinea and there will be drummers from Burundi, Yoruba dancers from Nigeria and Afro-soul from the Ivory Coast.

Seminars

African theatre ensembles such as the Ghana Drama Studio, the University Theatre of Tanzania and the Aafumi Theatre will perform and authors from Black Africa will discuss the role of writers in developing countries.

It is evident that no expense is being spared by federal or local government to make sure that West Berlin stays in the mainstream of culture and the arts. This is also the reason the city supports the Aspen Institute of Berlin which, in the few years since it arrived, has brought leading politicians, economists and social scientists to West Berlin for seminars on problems facing the Western, Communist and Third Worlds.

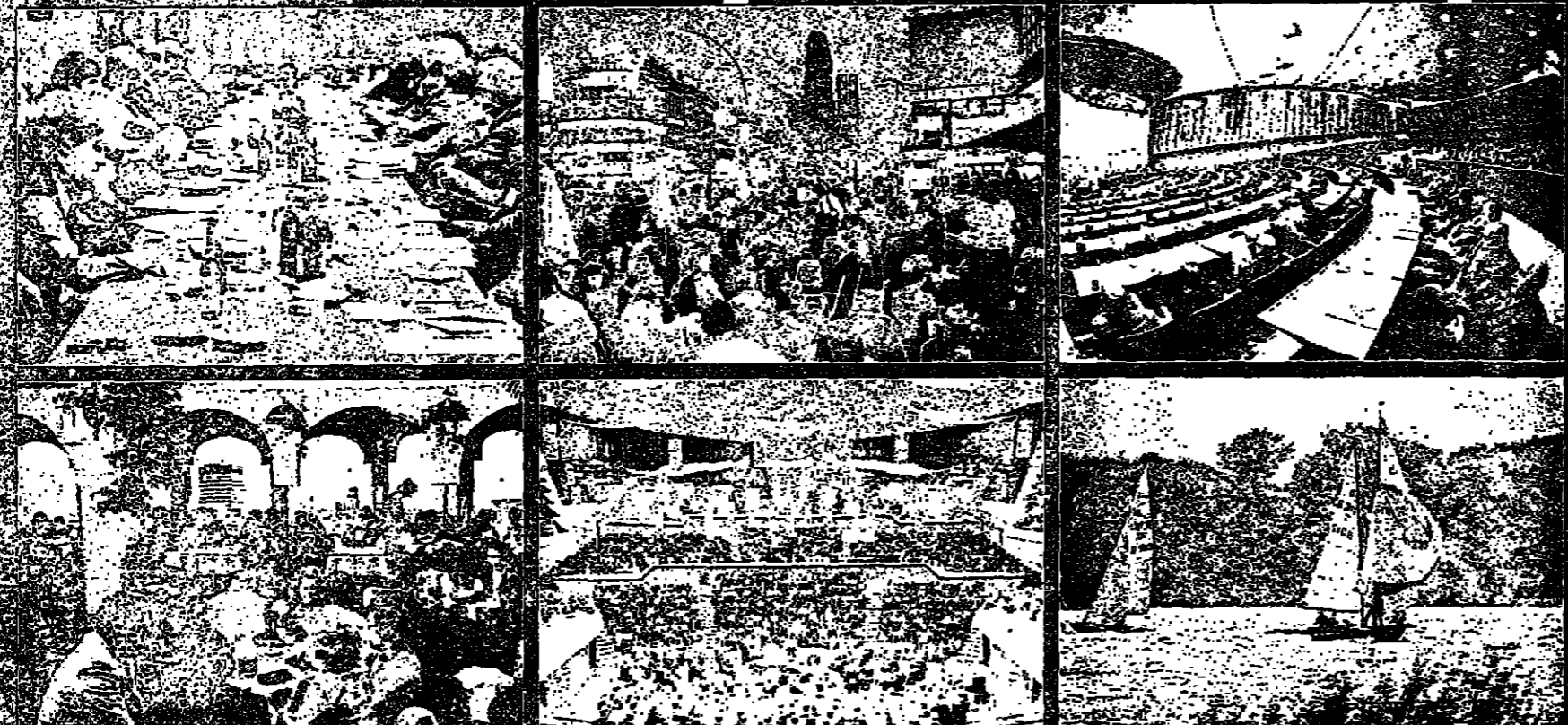
Incidentally, the former capital of former empire of Prussia, is planning to hold a spectacular exhibition in two years' time called "Prussia," along the lines of the Tendencies of the Twenties art exhibition which was a huge success in 1977.

The mere thought of Prussia causes Germans in other parts and many foreigners to wince, but the exhibition might turn out to be a highly provocative and perhaps eye-opening event.

L.C.

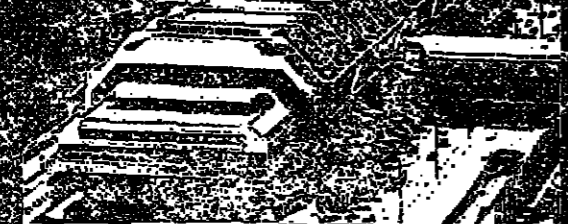
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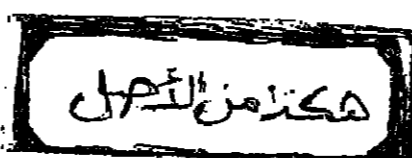
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BERLIN



Aspen Centre's success

THOSE DESIRING peace and quiet in order to think more deeply are wise to look for an island. But those seeking a reminder of the harshest realities of international politics will find it in Berlin. So an island in West Berlin seems the ideal spot for those who want both at the same time.

Since 1974 these conditions have been fulfilled by the Aspen Institute, perched on Schanzewerder Island in the Wannsee lake, on the outskirts of West Berlin. A boat trip one way would take you towards the centre of the city and one the other way would carry you to the border with East Germany.

In the institute's main room with a view out across the water, hundreds of politicians, academics, journalists and others from many countries have gathered over the years to discuss topics ranging from arms control and nuclear energy to education at the end of the century.

Heated

Each meeting is limited to a maximum 24 participants so that the exchange is more intimate and frank than at many other international symposia. But however fascinating the topic and heated the discussion, it is hard to forget at Aspen the political environment to which ideal theoretical solutions must be tailored.

Aspen, Berlin, is an offshoot of that "institute for humanistic studies" which began in 1949 in Aspen, Colorado, with a con-

ference bringing together among others, Albert Schweitzer, Ortega y Gasset and Thornton Wilder. The institute's operating budget now exceeds \$4m— from public and private sources. Its headquarters is in New York and it has a board of international trustees.

The success of the Berlin centre clearly hinges in large measure on its director, Mr. Shepard Stone, almost an honorary citizen, who knew Berlin as a student in the 1920s and Germany in the post-war years as director of public affairs to the U.S. High Commissioner, John McCloy. "Shep" Stone appears to know almost everyone who is anyone (Chancellor Helmut Schmidt and Dr. Henry Kissinger have been just two recent participants at Aspen)—but is no respecter of persons. Those inclined to mumble or wander from the point are rapidly put right by a sharp interjection— however renewed they may be. Where does Aspen, Berlin, go from here? One clear answer is that it is ideally situated to profit from that developing dialogue between East and West Germany—whose significance goes far beyond the two German states alone. It provides an ideal forum for detailed, personal discussion of political and cultural issues without formal political commitment. From this viewpoint, it is not too fanciful to suppose that Aspen, Berlin, will be holding still more rewarding gatherings in the next few years.

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Table listing various unit trusts such as Abbey Unit Tr. Mgrs., Allen Harvey & Ross Unit Tr. Mgrs., and others, including their managers and performance data.

Table listing insurance and property bonds, including companies like Abney Life Assurance Co. Ltd., Crown Life Assurance, and others, with their respective details.

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Table listing offshore and overseas funds, including Alexander Fund, Allen Harvey & Ross Inv. Mgt. (C.I.), and others, with their investment details.

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HOTELS AND CATERERS

Table of stock prices for Hotels and Caterers sector, listing various hotel and catering companies.

INDUSTRIALS (Misc.)

Large table of stock prices for various industrial companies across multiple sectors.

ENGINEERING—Continued

Table of stock prices for the Engineering sector, including various engineering firms.

CHEMICALS, PLASTICS—Cont.

Table of stock prices for Chemicals and Plastics sector.

BANKS & HP—Continued

Table of stock prices for Banks and Hire Purchase (HP) sector.

BONDS & RAILS—Cont.

Table of stock prices for Bonds and Rails sector.

BRITISH FUNDS

Table of stock prices for various British Funds, categorized by type and performance.

AMERICANS

Table of stock prices for American companies listed on the FTSE.

BEERS, WINES AND SPIRITS

Table of stock prices for Beers, Wines, and Spirits sector.

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Table of stock prices for Building Industry, Timber, and Roads sector.

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INDUSTRIALS—Continued

INSURANCE—Continued

PROPERTY—Continued

INVESTMENT TRUSTS—Cont.

FINANCE, LAND—Continued

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MINES—Continued

Table of Industrial stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Insurance stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Leisure stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Motors, Aircraft Trades, and Commercial Vehicles with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Components with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Property stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of South Africans stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Investment Trusts with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Finance, Land, and Overseas Traders with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Teas with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Australian stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Miscellaneous stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Golds Ex-\$ Premium with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Sri Lanka stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Newspapers, Publishers with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Paper, Printing, Advertising with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Textiles with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Africa stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Eastern Rand with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Finance, Land, and etc. with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Finance stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

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Table of Regional Markets with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Options 3-month Call Rates with columns for Stock, Price, Last, Bid, Offer, and % Change.

Table of Insurance stocks with columns for Stock, Price, Last, Bid, Offer, and % Change.

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FT BUSINESS OPINION SURVEY

Economic hopes still at low level

BY DAVID FREUD

INDUSTRY'S confidence about the prospects for the UK economy continued to fall last month, according to the Financial Times survey of business opinion...

EARNINGS ON CAPITAL

Table with columns: 4 monthly moving total, March 1979, Dec-Mar %, Nov-Feb %, Oct-Jan %, Sept-Dec %, Construc-tion %, Food & Tobacco %, Textiles & Clothing %

While industrialists were slightly less optimistic about the level of wage costs, they were more optimistic on total unit costs. However, both the building and food sectors expected profit margins to contract...

Teamsters confront Carter policy

By Stewart Fleming in New York

TEAMSTERS' UNION has launched the first major challenge to the wage guidelines of President Carter's anti-inflation policy in the U.S.

Andreotti resigns as Italy coalition falls

BY PAUL BETTS IN ROME

THE NEW Italian coalition Government of Christian Democrats, Republicans and Social Democrats was defeated in the Senate confidence debate at the weekend by a single vote...

UK ready with EEC budget protest

By Peter Riddell Economics Correspondent

BRITISH MINISTERS are expected to use a two-day joint meeting of EEC finance and foreign ministers, starting in Luxembourg today, as a platform for loud protests about the alleged unfairness of the UK's contributions to the Community Budget.

Fresh Government funds up to £150m set for BL

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

FRESH Government funds totalling about £100m to £150m are expected to be announced today for BL, formerly British Leyland.

Weather

UK TODAY SHOWERS in all areas. Snow on high ground being heavy and prolonged in the north.

Unions seek Whitley break-up

BY PHILIP BASSETT and NICK GARNETT

IN A further bout of inter-union dispute the two biggest Civil Service unions decided yesterday to attempt dismantling the whole national negotiating machinery for the 600,000 civil servants.

Unions seek Whitley break-up

On the eve of today's one-day strike over pay, which may seriously affect air flights and other services, the Civil and Public Services Association and the Society of Civil and Public Servants decided to withdraw from all meetings of the central policy-making committee of the Staff Side on the National Whitley Council.

Stop for Red

Figures

They are expected to develop the criticisms of present EEC arrangements which were expressed strongly by Mr. John Silkin, the Agriculture Minister, in Brussels last Thursday...

Carter at N-plant

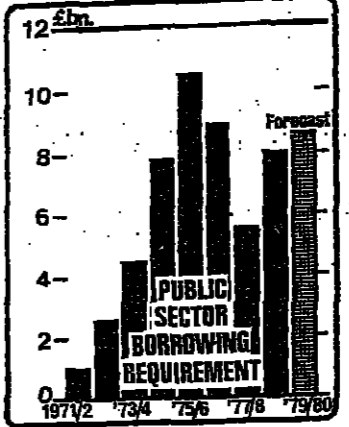
Continued from Page 1

handling and outcome of the accident. The NRC in Washington has briefed British, Swedish and Japanese representatives, while France and West Germany have flown in nuclear experts.

THE LEX COLUMN

The Budget that never was

Following the defeat of the Government in the Commons the Conservatives have refused to allow Mr. Denis Healey to present a normal Budget speech tomorrow.



are at least 10 per cent too high, with a few exceptions, such as the Treasury. Several other measures are relevant to the PSBR...

"There is much talk these days about the public sector borrowing requirement—far too much talk in my view, considering that our Government borrowing in this country is so much lower than in many countries overseas...

"I must say that I have had some difficulty in deciding exactly what the trend of borrowing in the coming financial year was likely to be. You may be aware that the Treasury customarily produces four forecasts of the PSBR during pre-Budget periods.

"This allows me to propose tax reliefs of £6bn. You will appreciate that since the Budget taken as a whole is a strictly neutral one there is no question of there being any element of electioneering in this. A precaution is necessary, however, because the City has shown a tendency to misinterpret my Budgets in the past...

"One is a ridiculously high one that is leaked to some of the more credulous City analysts so that the figure which is eventually published at the time of the Budget will seem unexpectedly good by comparison.

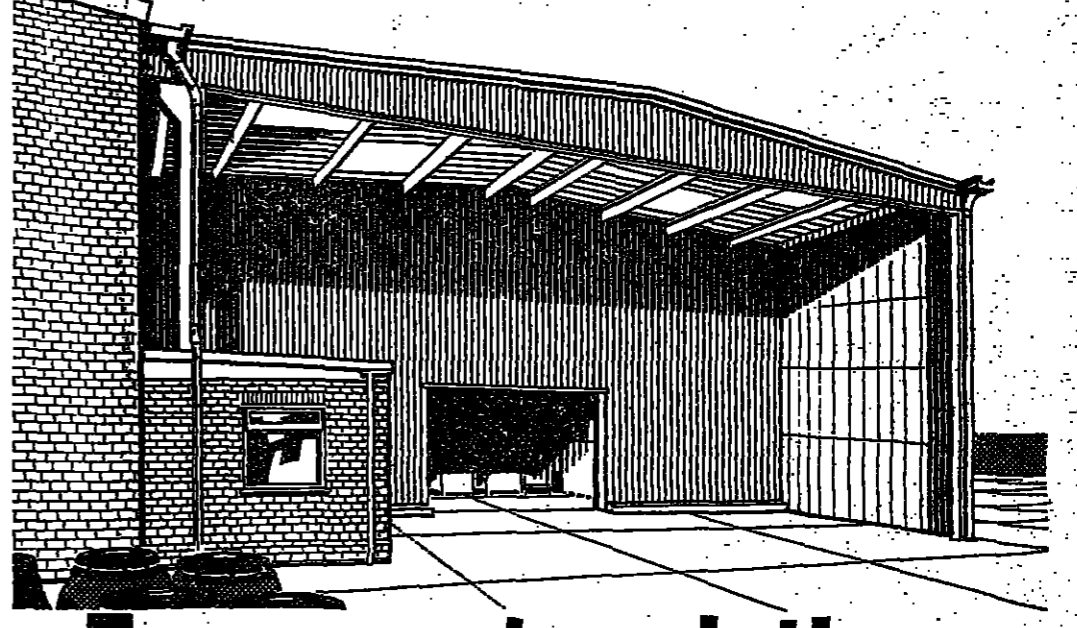
"The second is an estimate that is discreetly circulated to buy Government securities. Our efforts to stimulate the so-called black economy have been highly successful, and I am grateful to Sir William Pile, Chairman of the Board of Inland Revenue, for his statistical work on the subject.

"My specific measures are briefly as follows. All duties on alcoholic drinks will be abolished, as will all betting and gambling taxes. Value added tax will be halved. As for income tax, the standard rate will be cut to 30p and as a special gesture all taxpayers are to receive a cash bonus of £10 on May Day.

"I must, however, make one apology. We have been unable to produce the normal Red Book which customarily accompanies a full Budget statement, because of an industrial dispute in the Civil Service.

"When our computer programmers learned of the low budgeted figure for the rise in their salaries they immediately went on strike. However, the calculations for the Budget have been carefully checked by my chauffeur.

"I regret that because of my hopes of winning the leadership of the Labour Party it will not be possible to extend the benefit of the income tax relief fully to the higher rate bands. But I would point out that in cutting the maximum rate of tax paid on investment income from 98 to 97 per cent, I am permitting net of tax income to rise by no less than a quarter. After this, tax consultancy will surely never be the same again."



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